

### Jack Hollander & Associates, Inc.

Architecture Planning Interiors

May 21, 2013

Mr. Santos H. Kreiman, Director Department of Beaches & Harbors Design Control Board 13483 Fiji Way, Trailer #3 Marina Del Rey, CA 90292

Attn: Ismael Lopez

Re: THE MARINA GATEWAY

Parcel 95

Marina Del Rey

The following is a project description of The Marina Gateway, located on Parcel 95, in Marina Del Rey. The project is located on the south side of Washington Boulevard and extends from Via Marina Avenue on the east to Via Dolce Avenue on the west. This project was designed to include several components. The Project is located in Visitor Serving Convenience Commercial zone. On the east side, at the intersection of Washington Boulevard and Via Marina, on parcel LLS, we have designed a park complementing another park across Via Marina on parcel 97, which we have previously presented to the Design Control Board. This project combines retail and restaurants functions.

There are currently 4 buildings on this site. Three of the structures will be demolished. The Islands restaurant, located on the west side of the property, will remain and will continue to operate during construction. The project is surrounded by multistory structures. On the south side of the alley we find a three story apartment project set on a hillside with their first story over 20 feet above the alley. A parking structure is also located across the alley on the southeast side of the project. Also on the other side of Washington Boulevard we find the Marina Towers, an eight story structure. Another eight story structure is located across Via Dolce Avenue and Washington Boulevard.

616 N. Walden Drive, Beverly Hills, CA 90210 Phone: (310) 205-0440 Fax: (310) 205-0441

We propose two new structures on the east side of the property designated as Buildings A and B. The Island's restaurant will be designated as building C. A public park will be built on the adjoining property at the intersection of Washington Boulevard and Via Marina as part of the development. An Existing parking lot serving the Islands restaurant will remain but the existing landscaping will be improved. The following is a description of the proposed project.

### Building A

Building A which was located adjacent to the intersection of Via Marina and Washington Boulevard was designed to anchor the project adjacent to the park. The building was designed to appear as a two story structure. Unlike other centers featuring a similar façade over the entire building exteriors, we varied the façade with structures of different heights, various exteriors finishes and windows to provide interest. Two towers were placed at each building corner, The façade includes various materials such as stone veneer and smooth plaster. Precast trim complements the copper dome at the corner. The exterior of the building was enhanced by awnings in some areas in order to introduce color and texture. Stone veneer was also incorporated with pre-cast trim to differentiate each store with the columns extending to the roof eave above. A coffee shop was located at the east side with glazing overlooking the new park. We feel many visitors stopping at the park can purchase a drink and sit and enjoy the adjacent park.

The park itself would provide a wonderful background for the coffee shop. Building A will be 5,747 square feet.

### Building B

Building B façade is articulated in similar fashion to Building A. The exteriors include a variety of materials, shapes, height, fenestration, etc. On the east side we have designed a tower with copper dome. A different tower was placed on the west side with balcony above the entry, making it looks like a two story structure in appearance. Window shutters and pre-cast details give the building an upscale look. Stone veneer was used extensively to provide contrast to the smooth plaster used on other parts of the building. Entrances to stores are of different height to provide interest. Awnings and cantilered metal canopies greatly enhance the elevations. Tile roof and stone columns were also added in the rear facing the alley. Building B will be 11,296 square feet.

### **Building** C

The existing Building C currently serves the Island Restaurant. The Building façade featuring rough sawn wood siding and flat concrete roofing is clearly outdated. We felt it was important to make the building look similar to the two proposed new structures. We have proposed the following:

- 1. Replace existing tile roof to match new Buildings A and B
- 2. Replace wood siding with smooth plaster
- 3. Create a new tower to be located at the intersection of Via Dolce Ave.

### **Lighting Concept**

The goal of the exterior lighting is for the building façade and landscape to be expressed in a dramatic and sophisticated way. To accomplish this, the majority of light sources will be hidden from view, highly shielded and unobtrusive, with only the decorative fixtures visible. The building lighting will feature critical elements of the façade and provide sufficient lighting for safety. Up-lighting provided at towers emphasize the details of the building.

### Landscape Concept

The landscape planting design is laid out to reflect the tropical nature of the plantings that currently exist in the Marina area. Palms are used for accents and design rhythm. Flowering Crepe Myrtle and New Zealand Christmas trees are integrated into the design for annual flowering color. The shrubbery is chosen also for its flowering color and foliage texture. Where in ground planting is not possible, containers are used for both trees and shrubbery roof patio area and the residential balconies that face the alley side will also be planted with container planting. The plaza paving will be interlocking concrete pavers, colored and layed in varying design patterns to provide contrast and interest in texture.

### The Public Park

For the past several years there has been an initiative to provide a public park on Parcel LLS at the southwest corner of Washington Boulevard and Via Marina. This proposal provides for the park to be developed on the site. This park will complement another new park across Via Marina on Parcel 97 that was built as part of the redevelopment of that parcel. Gold Coast West and Gold Coast Shopping Center are committing to develop at no cost to the country of Los Angeles.

On the Southeast corner of Washington and Via Marina, it is the project's intent to provide a public park area that is reflective of the existing public corner across the street to the Southwest. This park is of a design that layers the planting and provides seating, privacy and protection from the busy traffic of Washington Boulevard. The theme is circular in its design with a raised platform for public performances with surround seating facing the platform. Surrounding this seating are raised planters protecting and screening the users with flowering Crape Myrtles and Canary Island Palms. The paving patterns also reflect the circular design, radiating from the center of the park area, outward to the park's edges. At the corner facing the intersection on a diagonal, is a sign area naming the park and is accented by groups of Queen Palms, lawn and pink flowering India Hawthorn. The intent of the park is to create a public area and serve as an anchor/focal point for the project.

The park will include such amenities as a fountain to serve as a focal point with amphitheater seating around a circular shaped paved area. A permanent circular stage was provided so musicians and other performers can use to entertain visitors to the park. The park will be lit and step lights will be provided at the amphitheater. Palm trees will also be used to tie in with the landscaping of the rest of the project.

Our office, as well as our landscape architect, intend to work closely with members of the DCB to provide an attractive environment for the project. If you have any additional questions please do not hesitate to call. We are confident that we have designed a project which will greatly enhance this area of the Marina and will bring additional visitor serving activities to the Marina.

Sincerely,

Otack Hollander
Jack Hollander AIA, ARA

### Marina Gateway

### PARCEL-95

### 404, 444 & 480 WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA

OWNER
GOLD COAST WEST L.L.C.
13737 FIJI WAY, C-10
MARINA DEL REY, CA 90292

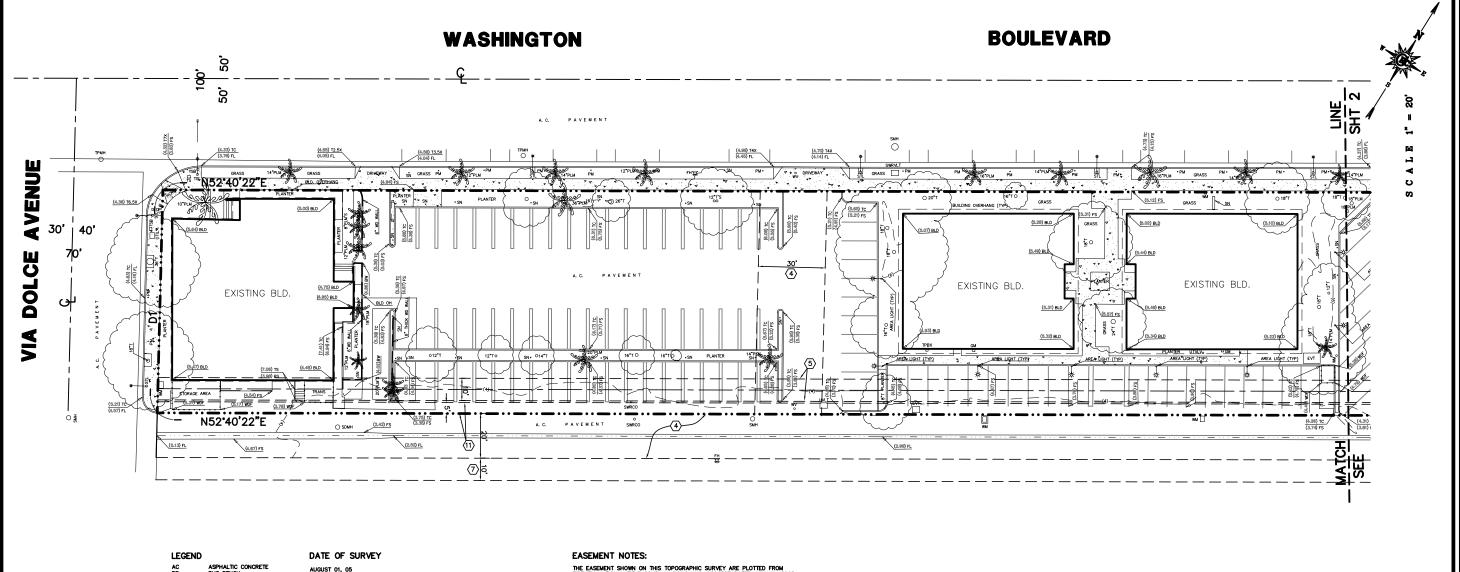




BUILDING-A Marina Gateway, Zarcel-95



BUILDING-B Marina Gateway, Zarcel-95



ASPHALTIC CONCRETE
BUS BENCH
BEGINNING OF CURB
BUILDING
BUILDING
BUILDING
BOTTOM OF STAIRS
BOXTOM OF STAIRS
BOXTOM
BOXTO 

TOP OF X
TREE
TREE
TREE
TREE
TOP OF CURB
THRESHOLD
TOP OF MANHOLE
TOP OF MANHOLE
TOP OF MANHOLE
TOP OF MANHOLE
TRAFFIC SERMCE BOX
UTILITY CLEANOUT
UTILITY
TRANSFORMER
TRANSFORMER
WOOD FENCE
WATER RECTE
WATER RECTE
WATER WATER
WATER VALVE

	LINE TABLE	
NO.	DELTA	R
D1		100.02
D2	N36°00'56"W	80.59

SITE ADDRESS

WASHINGTON BLVD., MARINA DEL REY, CA.

### BENCH MARK

WIRE SPK IN S CURB WASHINGTON ST; 34.2 FT E. OF C/L PROD BEACH AVE; E END CB BASELINE QUAD (1975) ELEV. = 5.21 Y 08670

### LEGAL DESCRIPTION

THE LAND REFERRED TO IN THIS REPORT IS SITUATED IN THE STATE OF CALIFORNIA, COUNTY OF LOS ANGELES AND IS DESCRIBED AS FOLLOWS:

PARCEL A:

MARINA DEL REY LEASE PARCEL NO. 955

PARCELS 370 THROUGH 377 INCLUSIVE, AS SHOWN ON LOS ANGELES COUNTY ASSESSOR'S MAP NO. 88, RECORDED IN BOOK 1 PAGES 53 TO 70 INCLUSIVE OF ASSESSOR'S MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

### PARCEL B:

THE EASEMENT SHOWN ON THIS TOPOGRAPHIC SURVEY ARE PLOTTED FROM FIDELITY NATIONAL TITLE COMPANY POLICY NO. 9890387 DATED JULY 11, 2005

- A PERMANENT EASEMENT AND RIGHT OF WAY, AT ANY TIME AND FROM TIME TO TIME TO CONSTRUCT, RECONSTRUCT, MAINTAIN, OPERATE, REPAIR, RENEW, ENLANGE, REMOVE AND REPLACE A LINE OR LINES OF FIPE OF DISTRIBUTION CONJECTIONS, WITH ALL AND EVERY APPENDAGE, STRUCTURE AND EQUIPMENT NECESSARY OR CONVENIENT TO BE INSTALLED OR USED BY GRANTEE IN CONNECTION WITH ANY OF THE ABOVE MENTIONED EQUIPMENT FOR THE PURPOSE OF TRANSPORTING , CONVENIENT AND DISTRIBUTING WATER IN, LUNDER, LUPON, OVER AND ACROSS A STRIP OF LAND 30 FEET WIDE, AS PROVIDED IN DEED RECORDER JUNE 27, 1980 AS INSTRUMENT NO. 4076 IN BOOK DESIP, PAGE 599, OFFICIAL RECORDS, AND AS DELINEATED ON LA.C.A., MAP NO. 86, RECORDED IN ORDINANCE NO. 119203, ORDERING THE VACATION ON BEACH AVENUE AND OTHER STREETS, A ASPLY THEREOF BEING RECORDED JUNE 30, 1961, AS INSTRUMENT NO. 6541.
- (S) A PERMANENT EASEMENT AND RIGHT OF WAY TO BE USED AT ANY TIME AND FROM TIME TO TIME. TO CONSTRUCT, RECONSTRUCT, MAINTAIN, INSPECT, USE, OPERATE, REPAIR, EN INAGE, REMOVE AND REPLACE A POLE LINES, TOSETHER WITH ALL INCESSABY CABLES, WIRES, CROSS-ARMS, OVERHEAD AND UNDERGROUND CONDUITS AND DUTS AND OTHER EQUIPMENT AND APPURTENANCES, FOR THE PURPOSES OF TRANSMISSION, DISTRIBUTION, REQULATION, USE AND CONTROL OF ELECTRICAL EMERGY, AND FOR ALL OTHER INCIDENTAL PURPOSES AND TO CLEAR AND TO KEEP FREE THE SAID EASEMENTS AND RIGHTS OF WAY FROM EXPLOSIVES AND COMBUSTIBLE MATERIALS IN , UNDER, UPON AND OVER ACROSS A STRIP OF LAND 10 FEET IN WIDTH, AS PROVIDED IN THE DEED RECORDER JUNE 27, 1960 AS INSTRUMENT NO. 4077 IN BOOK D891, PAGE 603, OFFICIAL RECORDS, AND AS DELINEATED ON LA.C.A. MAP NO. 88 RECORDED IN BOOK 1 PAGES 53 ET. SEQ., OF ASSESSORS MAPS.
- BOOK 1 PAGES 53 ET. SEQ., OF ASSESSORS MAPS.

  A PERMANENT EASEMENT AND RIGHTS OF WAY AT ANY TIME, OR FROM TIME TO TIME, TO CONSTRUCT, MAINTAIN, OPERATE, REPLACE, REMOVE AND RENEW SANITARY SEWERS AN STORM DRAINS AND APPURTENANT STRUCTURES AND ENLARGE CONDUITS, CABLES, WIRES, POLES, AND OTHER CONVENENT STRUCTURES EQUIPMENT AND FIXTURES FOR THE TRANSPORTATION OF DISTRIBUTION OF ELECTRIC CHERGY, WATER CEPT THE MICHIGAN FREE FROM INCLUMING ESSAFANT OF THE RIGHT OF MORPH, AND OTHERWISE PROTECT THE SAME FROM ALL AZAROS, IN JURY AND OVER THE PUBLIC STREET AREAS THEREOF, FOR SEWERS, STORM DRAINS, TRANSPORTATION, OR DISTRIBUTION OF WATER, AS RESERVED AND EXCEPTED IN CONDINATOR OF 119293 ORDERING THE VACATION OF BEACH AVENUE AND OTHER STREETS, A COPY THEREOF BEING RECORDED JUNE 30, 1981 AS INSTRUMENT NO.6541.
- (2) AN EASEMENT 10 FEET WIDE FOR STORM DRAIN AND HARBOR UTILITIES AS DESIGNATED ON L.A.C.A. MAP NO. 88 RECORDED IN BOOK 1, PAGE 53 ET. SEQ., OF ASSESSORS MAPS AS RESERVED BY THE COUNTY OF LOS ANGELES, IN THE LEASE AS AMEN
- AN EASEMENT 20 FEET WIDE FOR SANITARY SEWER AND STORM DRAIN PURPOSES AND FOR TRANSPORTATION OR DISTRIBUTION OF WATER AS RESERVED AND EXCEPTED IN ORDINANCE NO. 11923, ORDERING THE VACATION OF BEACH AKENUE AND OTHER STREETS, A COPY THEREOF BEING RECORDED JUNE 30, 1981 AS INSTRUMENT NO. 8541 AND AS DELINEATED ON LA.C.A. MAP NO. 88, RECORDED IN BOOK 1, PAGE 35 ET SEQ., OF ASSESSORS MAPS, AND AS RESERVED BY THE COUNTY OF LOS ANGELES, IN THE LEASE, AS AMENDED REFERRED TO IN SCHEDULE A. SAID EASEMENT IS INDETERMATE.

- (9) AN EASEMENT 10 FEET WIDE FOR TRANSPORTATION OR DISTRIBUTION OF ELECTRICAL ENERGY OF THE CITY OF LOS ANGELES, AS RESERVED AND EXCEPTED IN ORDINANCE NO. 119293, ORDERING THE VACATION OF BEACH AVENUE AND OTHER STREETS, A COPY THEREOF BEING RECORDED JUNE 30, 1981 AS INSTRUMENT NO. 6541 AND AS DELINEATED ON LA.C.A. MAP NO. 88, RECORDED IN BOOK 1 PAGE 55 ET SEC, OF ASSESSORS MAPS, AS RESERVED BY THE COUNTY OF LOS ANGELES, IN THE LASE, AS AMENDED WHICH LASE WAS RECORDED MARCH 17, 1970 AS INSTRUMENT NO.2529. SAID EASEMENT IS INDETERMATE.
- A WATERLINE EASEMENT 25'X30' AS PROVIDED IN THE INSTRUMENT RECORDED DECEMBER 30, 1960 AS INSTRUMENT NO. 3192 BOOK DIOTAS PAGE 986 OF OFFICIAL RECORDS, AND AS DELINEATED ON LA.C.A. MAP NO. 88 RECORDED IN BOOK 1 PAGE 53 ET SEQ., OF ASSESSORS MAPS.
- (1) A RICHT OF WAY FOR HARBOR UTILITY PURPOSES OVER THE SOUTHEASTERLY 5 FEET OF SAID LAND AS RESERVED IN THE LEASE, AS AMENDED WHICH LEASE WAS RECORDED MARCH 17, 1970 AS INSTRUMENT NO. 2529.

CS-1

06 SEP. 05

SURVEY

PACIFIC COAST MANAGEMENT 13575 MINDANAO WAY WENTA DEL REY, CA 90292 C/O Mr. Michael Pashais

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Enterprises

RON KOESTER LS 5930 EXP 12/31/2006 DATE

PLANS PREPARED UNDER THE DIRECTION OF

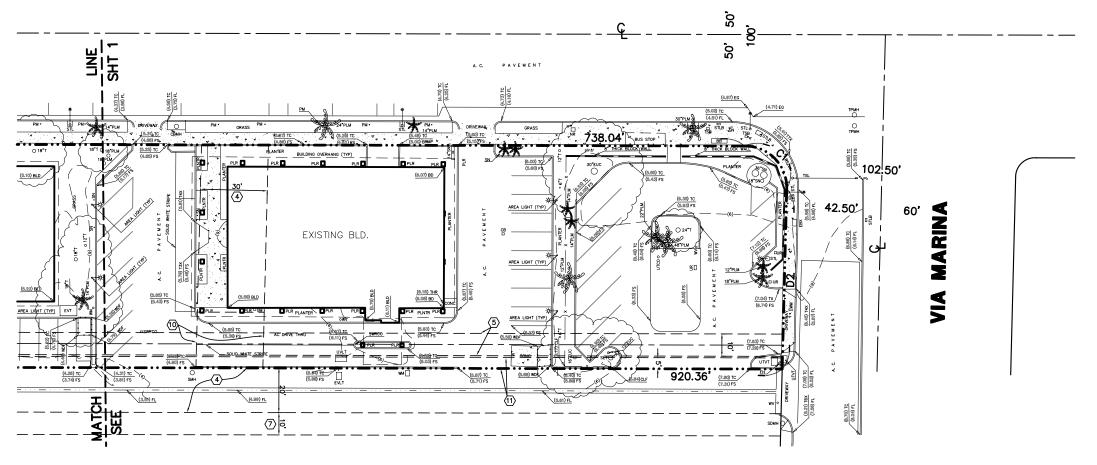
### **WASHINGTON**

### **BOULEVARD**





sur



### LEGEND

ASPHALTIC CONCRETE
BUS BENCH
BEGINNING OF CURB
BUILDING
BUILDING
BUILDING
BOTTOM OF STAIRS
BACK OF WALK
CATCH BASINET BENCE
CLICALTING BOX
ELECATING BOX
ELECATING
ELECATING 

TOP OF X
TREE
TREEPHONE BOX
TOP OF CURB
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TRAFFIC SERVICE
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	NO. D1 D2	DELTA N36°00'30"W	R 100.02 80.59

### DATE OF SURVEY

AUGUST 01, 05

### SITE ADDRESS

WASHINGTON BLVD., MARINA DEL REY, CA.

### BENCH MARK

WIRE SPK IN S CURB WASHINGTON ST; 34.2 FT E. OF C/L PROD BEACH AVE; E END CB BASELINE QUAD (1975) ELEV. = 5.21 Y 08670

### LEGAL DESCRIPTION

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### MARINA DEL REY LEASE PARCEL NO. 955

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### EASEMENT NOTES:

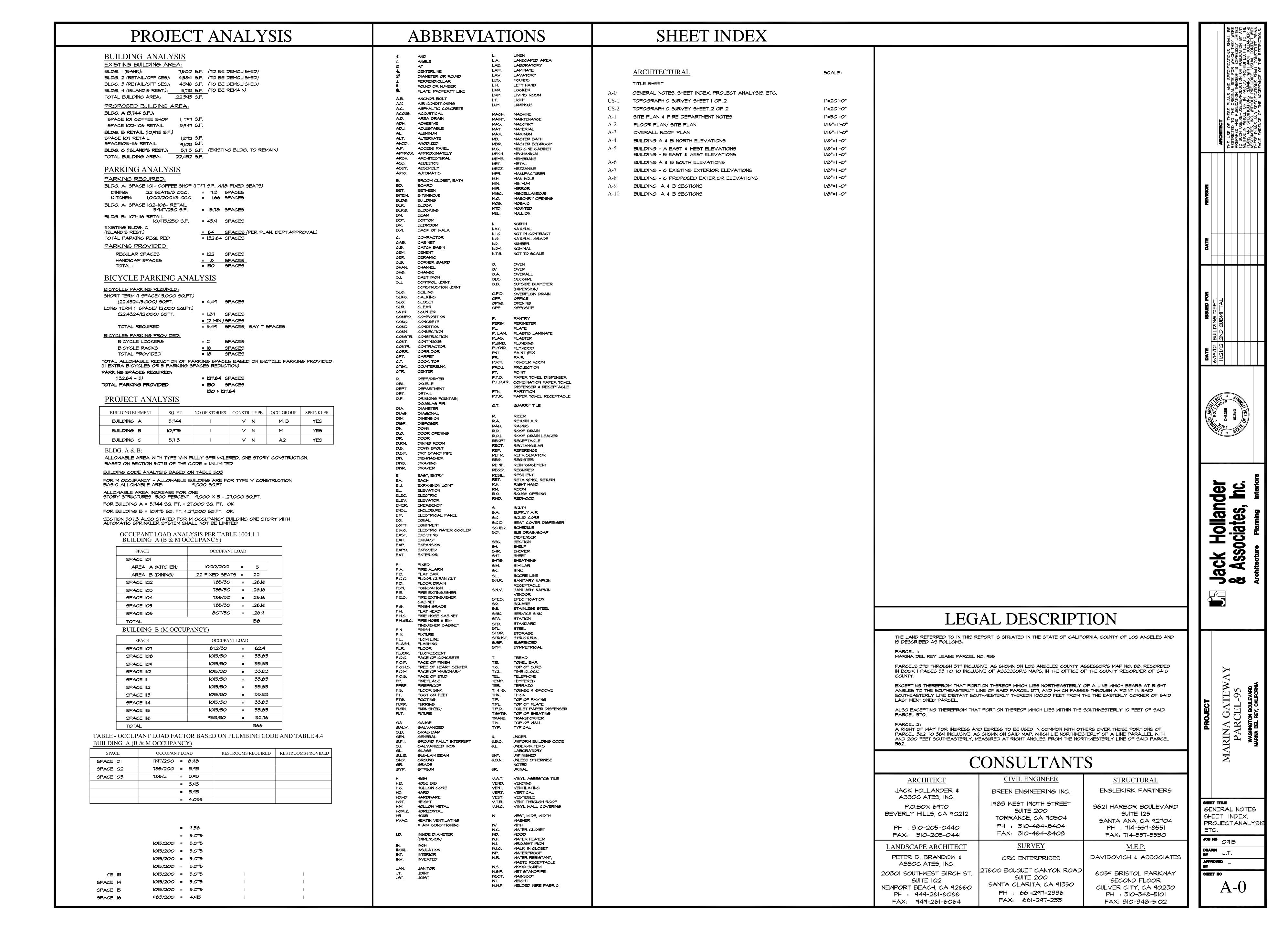
- (1) A RIGHT OF WAY FOR HARBOR UTILITY PURPOSES OVER THE SOUTHEASTERLY 5 FEET OF SAID LAND AS RESERVED IN THE LEASE, AS AMENDED WHICH LEASE WAS RECORDED MARCH 17, 1970 AS INSTRUMENT NO. 2529.

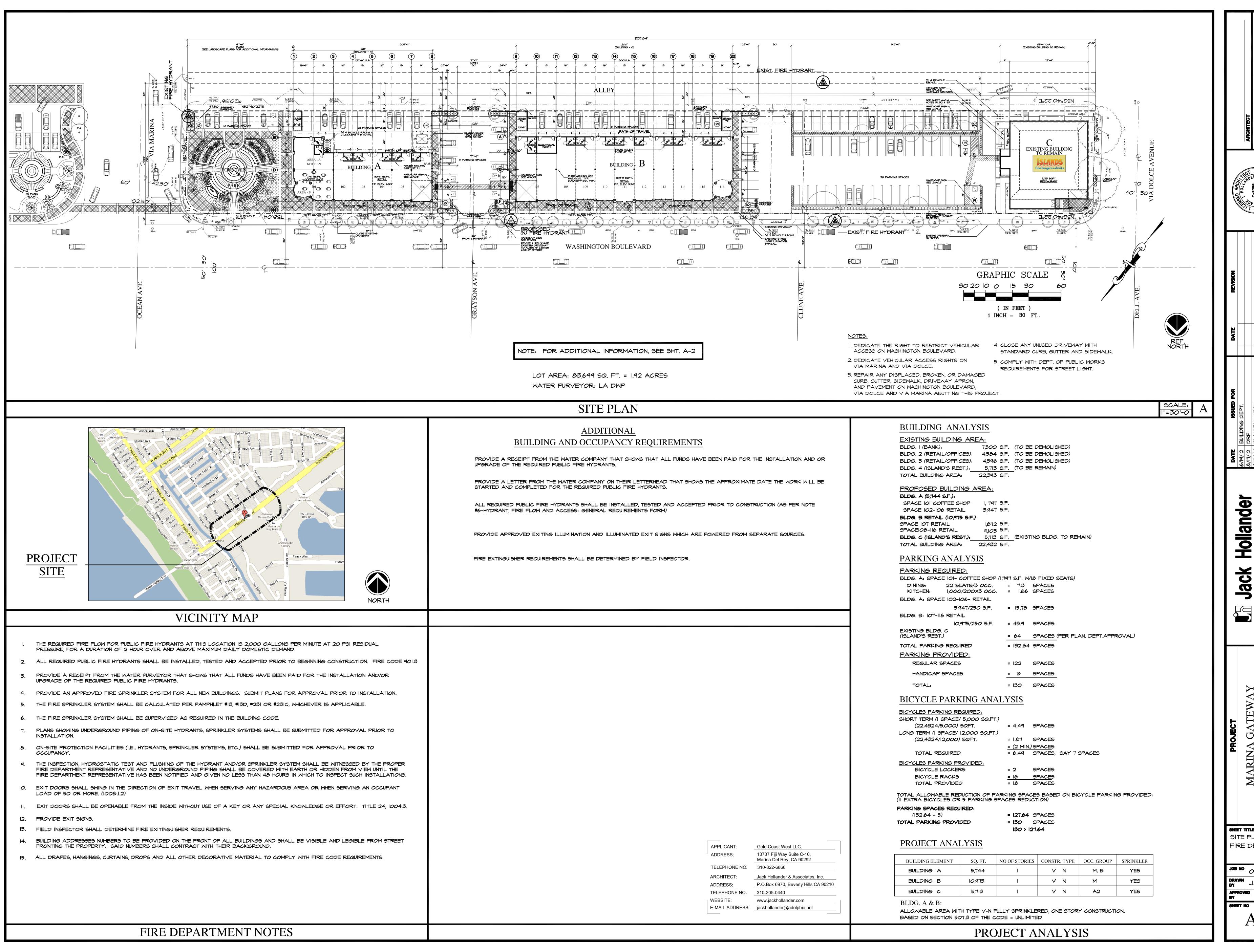
PLANS PREPARED UNDER THE DIRECTION OF

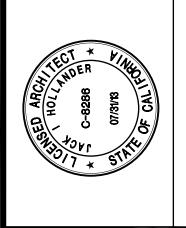
06 SEP. 05

RON KOESTER LS 5930 EXP 12/31/2006 DATE

Enterprise





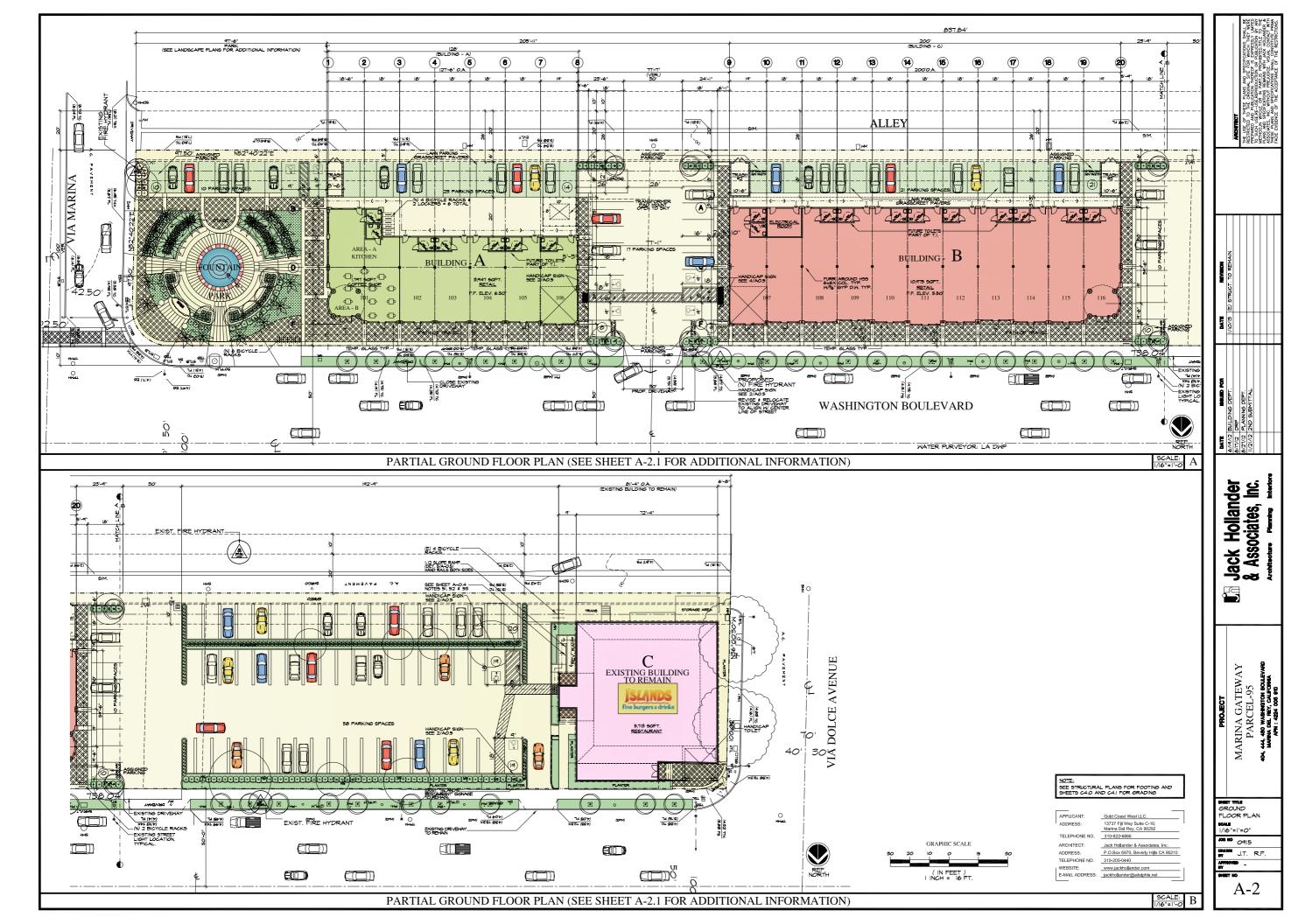


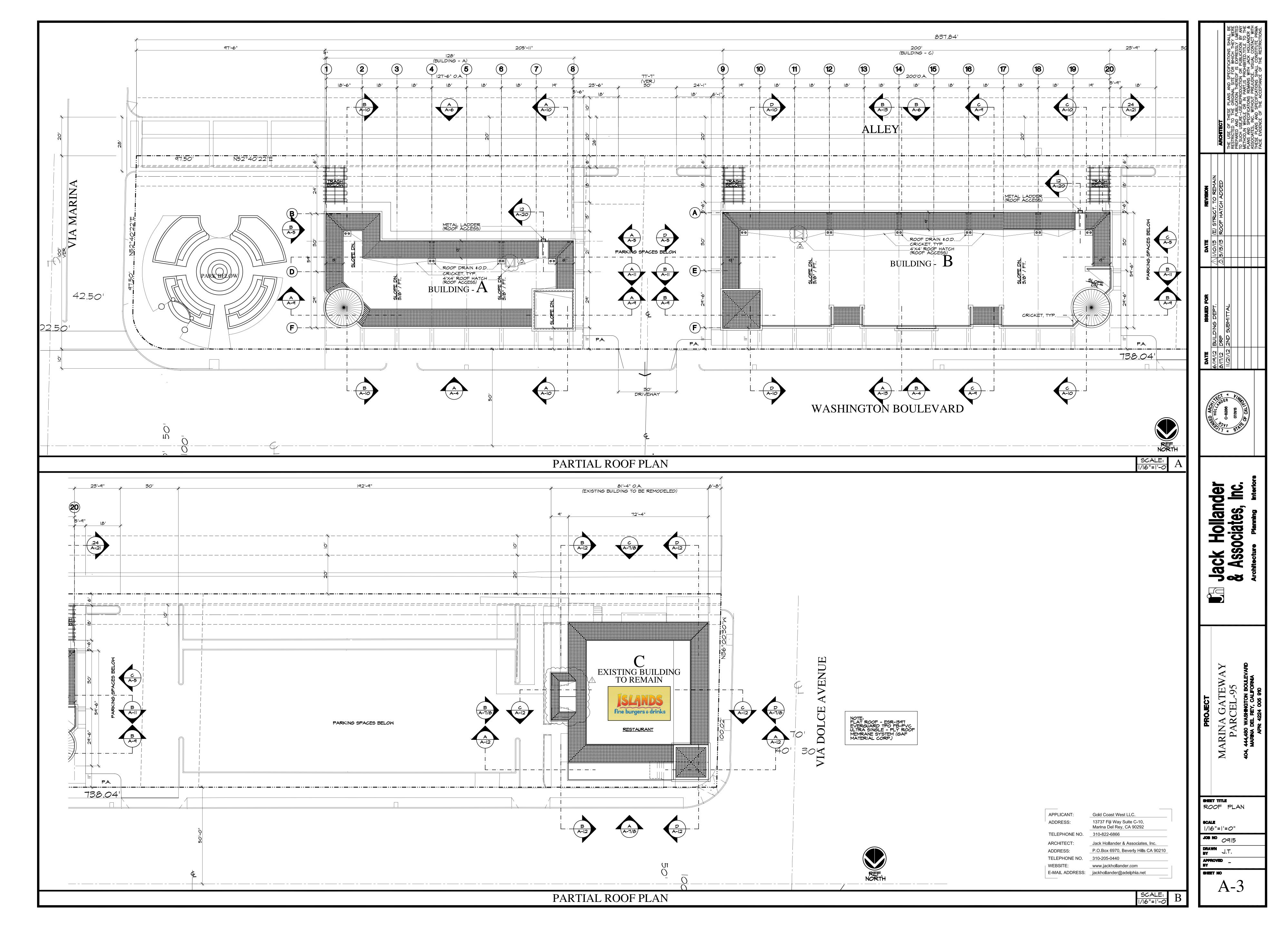
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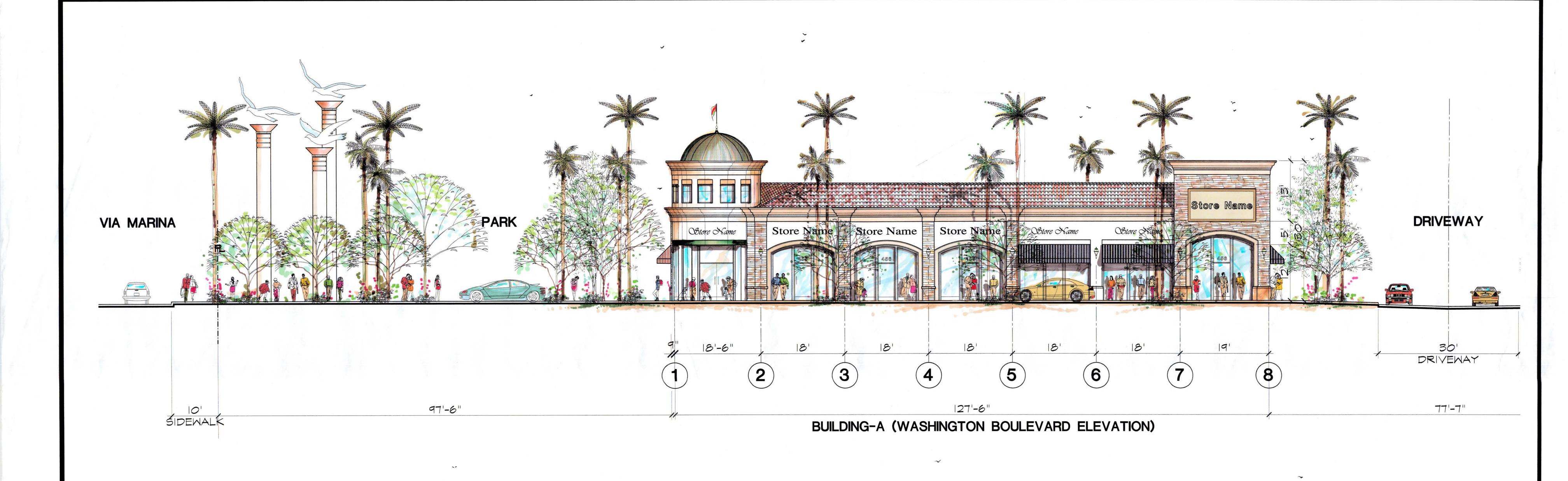
SITE PLAN FIRE DEPT. NOTES

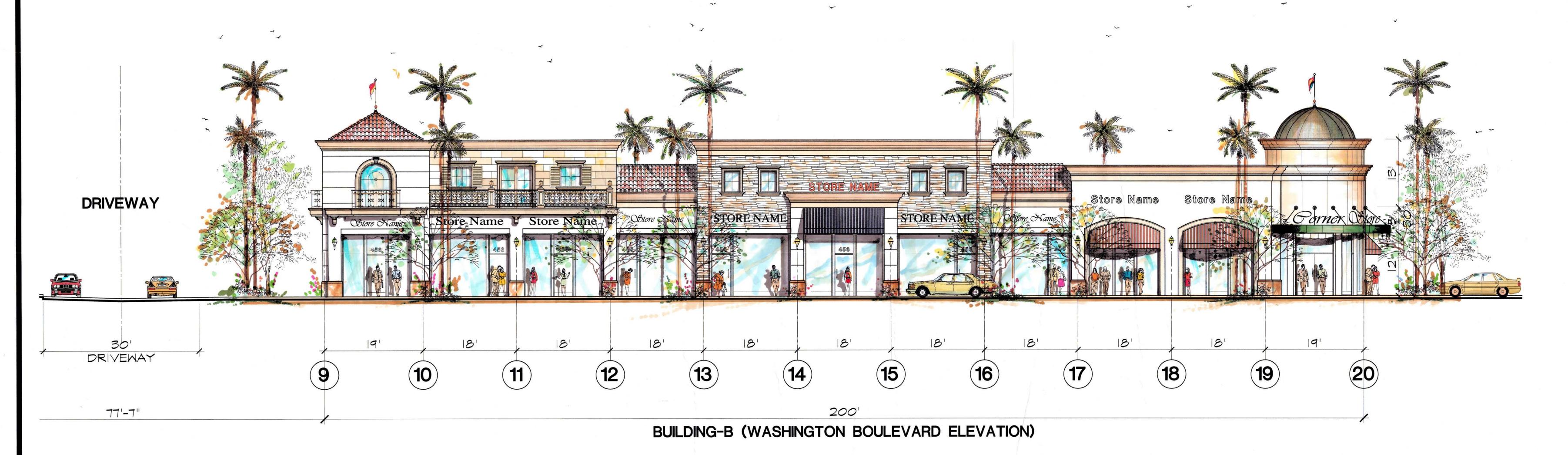
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### MARINA GATEWAY PARCEL-95

WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA

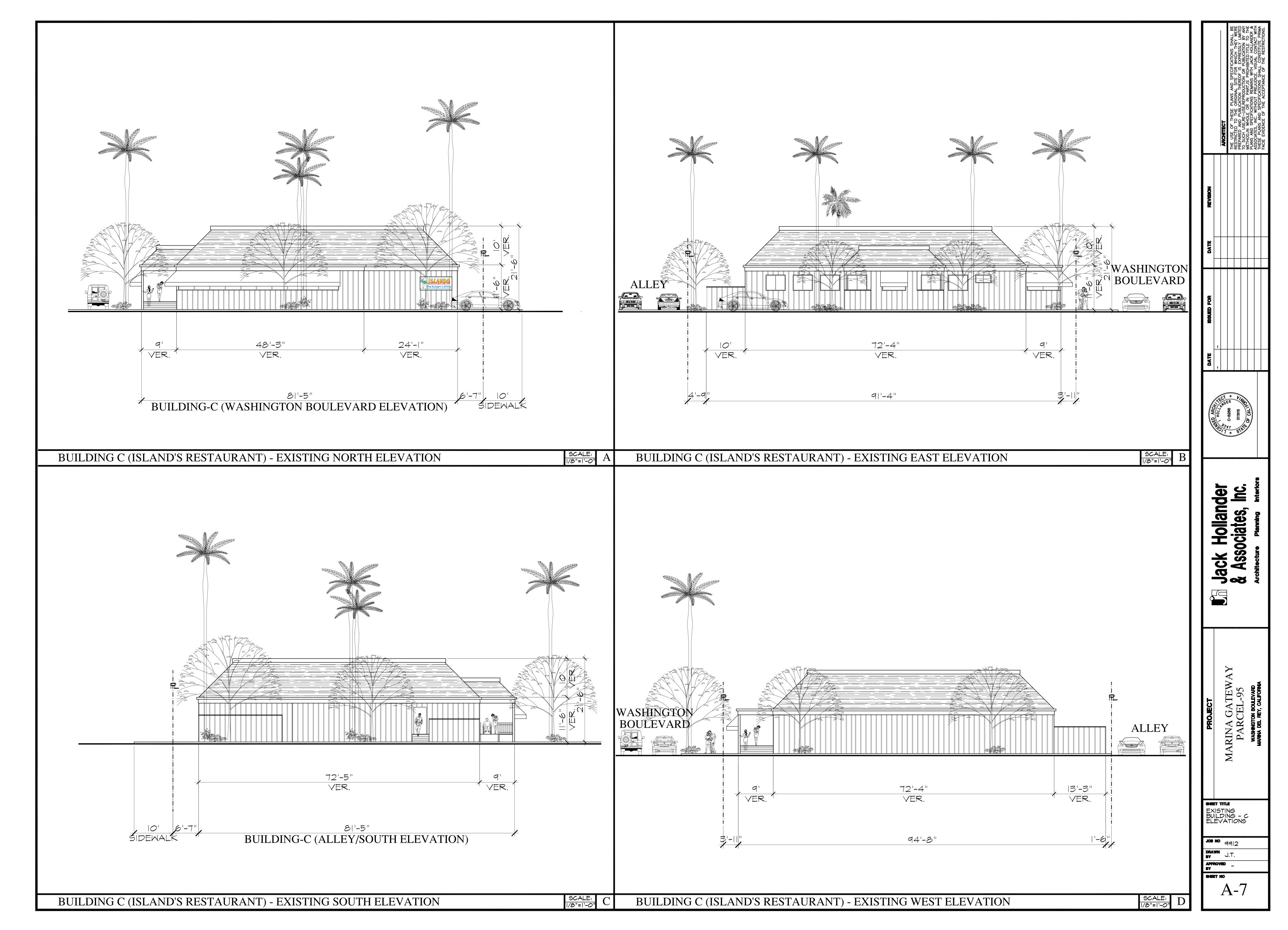


A-4

BUILDING A & B - NORTH ELEVATION
SCALE: 1/8"=1'-0"

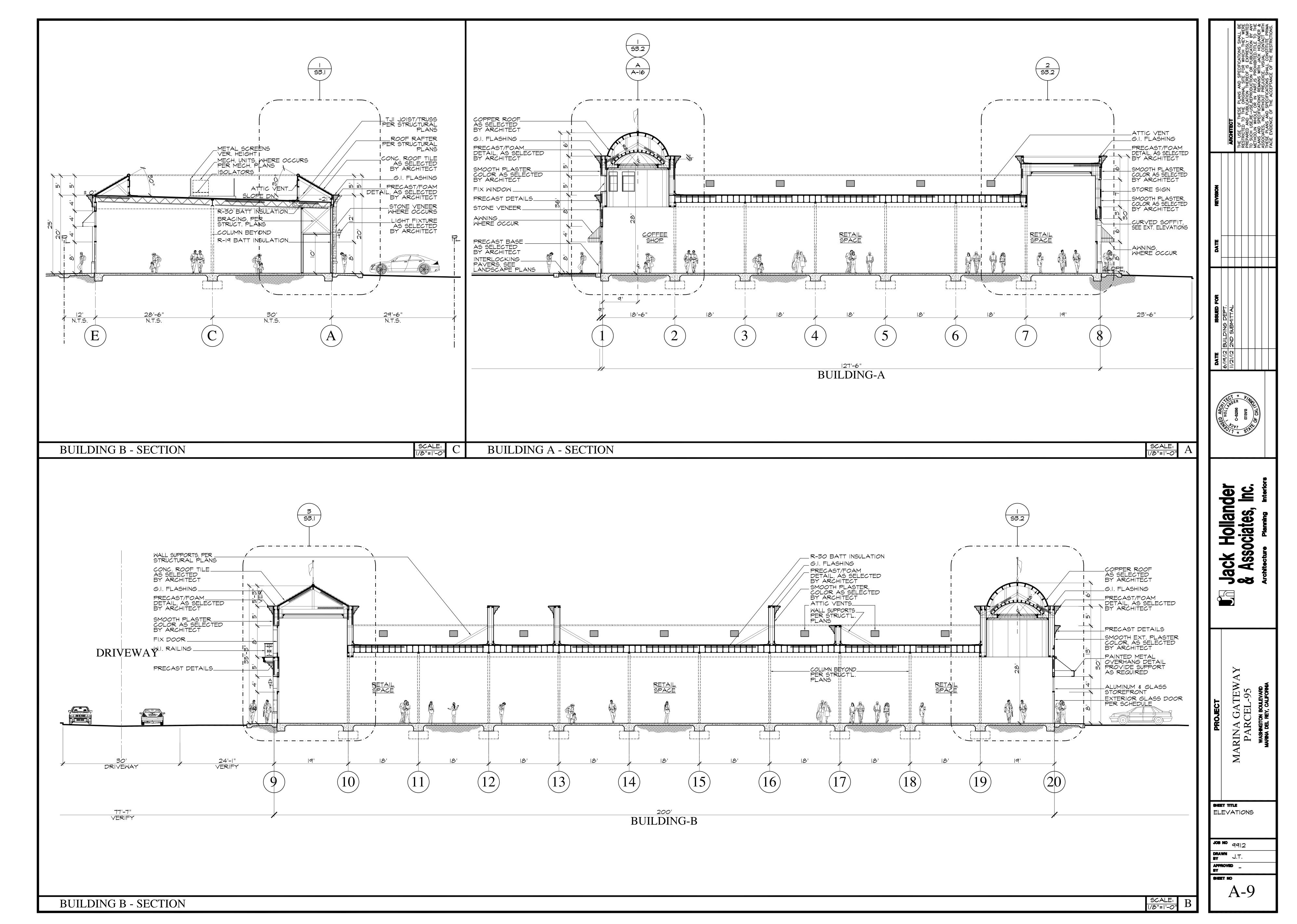




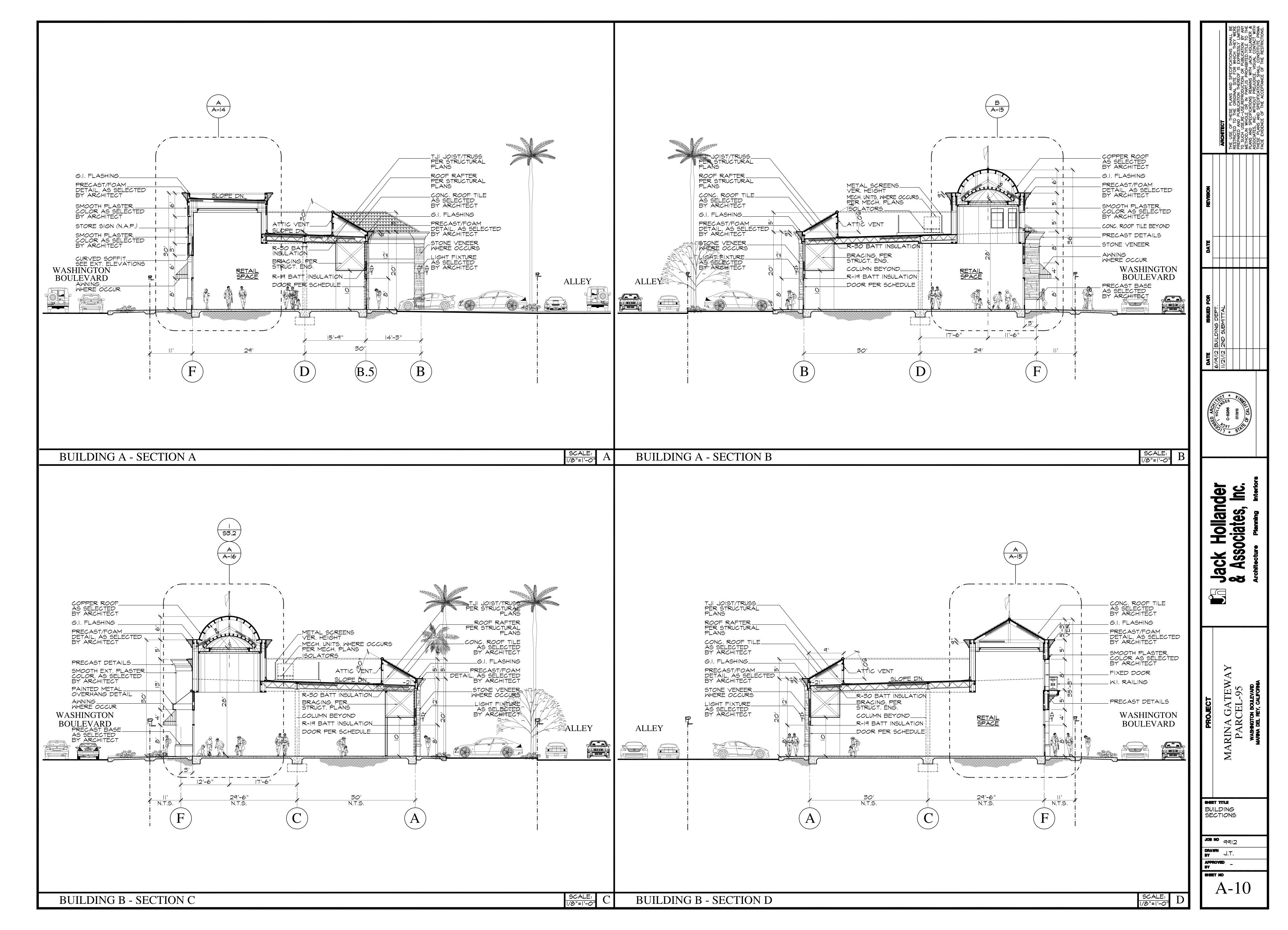


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11/21/2012 10:06:59 AM



1/21/2012 9:56:22 AM

### PETER D. BRANDOW • AIA • ASLA & ASSOCIATES

LANDSCAPE ARCHITECTS

20301 S.W. BIRCH STREET • SUITE 102

NEWPORT BEACH • CA 92660-1754

949-261-6066 • FAX 949-261-6064

EMAIL PBRANDOW@AOL.COM

CALIFORNIA LICENSE 1267/C-6445

May 20, 2013

**DESIGN REVIEW COMMITTEE** 

Re: Parcel 95, Marina Gateway

John,

The below is a brief description:

### Project Description:

Commercial development of approximately 1.27 acres with a fully landscaped front parkway, decorative interlocking pavers and an accent pedestrian oriented park of approximately 0.20 acres on the SE corner of Via Marina and Washington Blvd. The parking provided within the project is flanked by shade trees.

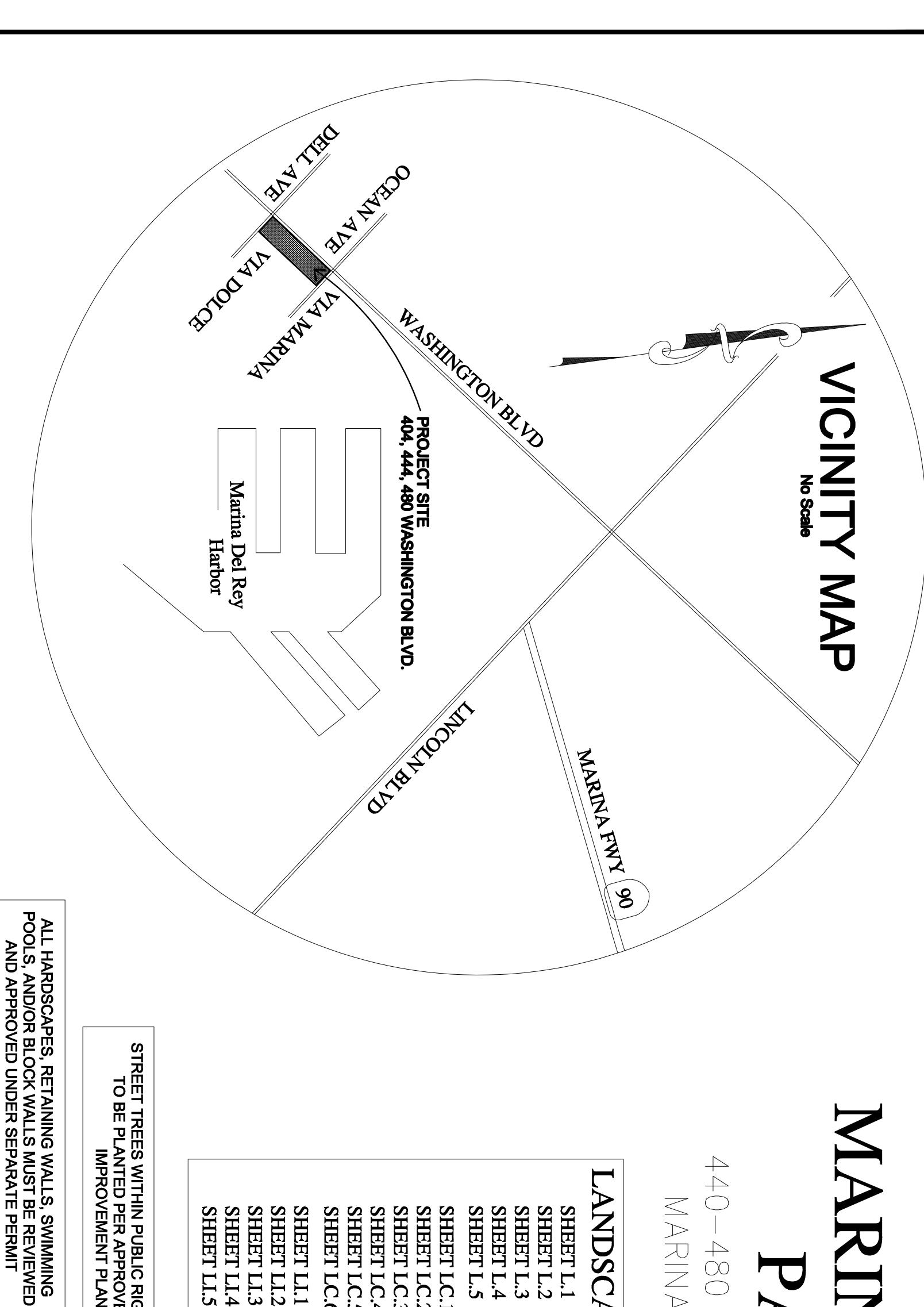
The corner park consists of raised and on grade planters surrounded with palms with a lowered central gathering / seating area and a stage area adjacent to it. This is to give respite for the pedestrians and allow for community gatherings as needed. All irrigation for the planting areas is to be an underground weep system which is highly water efficient. All plantings to be of low water demand plant material.

This should cover the landscape development of the project. If you need any further information, please call.

Peter D. Brandow, AIA, ASLA

PRINCIPAL C6445, 1265

PDB:pb



ALFORZIA

### **NDSC** $\triangleright$ PH **IRRIGATION** PI

L.1
L.2
SHEET L.3
SHEET '
SYTT PARTIAL SITE PLANTING PLAN
PARTIAL SITE PLANTING PLAN
PARTIAL SITE PLANTING PLAN
PLANT LIST & DETAILS
LANDSCAPE SPECIFICATIONS

SHEET L.5

SHEET SHEET LC.1 LC.2 LC.3 PARTIAL SITE DEVELOPMENT PLAN PARTIAL SITE DEVELOPMENT PLAN DETAIL PARK AREA PLAN

SHEET SHEET SHEET PARK PLANTER WALL ELEVATIONS SECTIONS AND DETAILS

SHEET PARTIAL SITE IRRIAGTION PLAN

SHEET

LC.6

PARTIAL SITE DEV.- ISLANDS REST.

SHEET L SHEET IRRIGATION SPECIFICATIONS IRRIGATION DETAIS PARTIAL SITE IRRIAGTION PLAN PARTIAL SITE IRRIAGTION PLAN

SHEET LI.4 SHEET LI.5

STREET TREES WITHIN PUBLIC RIGHT-OF-WAY ARE
TO BE PLANTED PER APPROVED STREET
IMPROVEMENT PLANS

LANDSCAPE SITE SATISTICS: Green Building Standards

Site Landscape: Lawn - Grasscrete parking area - Parkway lawn planting Site - Drought-tolerant planting 3,109 sf

5,679 sf 6,006 sf (21%) (38%) (41%)

**Building site** Parking lot / grasscrete .awn parkway frontage Restaurant site 5,679 sf 2,340 sf 952 sf 3,109 sf

Park site:

Parking/grasscrete

Site planting

2,492 sf

into hydrozones based upon plant material, exposure requirements All plants and turf is to be water efficient. All areas are to be grouped al, exposure and maintenance

TREE PLANTINGS: ) Palm trees on site and in Parkway to remain parking lot trees at Restaurant to remain

23 7

**NEW TREE PLANTINGS:** 

On site

New street trees, New street trees, trees, , Lagerstroemia "Natchez",

trees: Platanus Mexicana, 36"box Lagerstroemin "Tuscarora, Phoenix Canariensis, 14btf 36"box 36"box

Archontophoenix

Cunninghamiana,

50gallon

Site

> SHEET LI.4 **IRRIGATION SPECIFICATIONS**

Maintenance Schedule: A regular maintenance shedule to satisfy the following conditions shall be a part of hite Landscape Documents:

1. Landscapes shall be maintained by OWNER on a regular basis to ensure water efficiency. Regulaar Landscape maintenance shall shall include, but not be limited to, checking, adjustiong and repairing irrigation equipment; resetting the automatic controller seasonal; aerationg and dethatching turf areas; replenishing mulch; fertilizing; pruning and weeding in all landscape areas.

2. Whenever possible, repair of irrigation equipment shall be done with the originally specificed materials or their approved equivalents.

3. A landscape irrigation audit shall be done every five (5) years.

SITE: LANDSCAPE AREAS: Total Landscape.....14,794 sf Site Parkway frontage Parking/grasscrete Restaurant site parking 2,492 sf 5,679 sf 2,340 sf3,109 sf952 sf 222 sf

# LEGAL DESCRIPTION

MARINA DEL REY PARCEL 95S

PARCELS 370 TO 377 INCLUSIVE, AS SHOWN ON LOS ANGELES COUNTY ASSESSOR'S MAP NO 88, IN THE COUNTY OF LOS ANGELES, STATE OF CALIFORNIA, RECORDED IN BOOK 1, PAGES 53 THROUGH 70 INCLUSIVE OF ASSESSOR'S MAPS, IN THE OFFICE OF HTE COUNTY RECORDER OF SAID COUNTY.

EXCEPT THEREFROM THAT PORTION THEREOF WHICH LIES NORTHEASTERLY OF A LINE WHICH BEARS AT RIGHT ANGLES TO THE SOUTHEASTERLY LINE OF SAID PARCEL 377, AND WHICH PASSES THROUGH A POINT IN SAID SOUTHEASTERY LINE DISTANT SOUTHWESTERLY THEREON 100.00 FEET FROM THE EASTERLY CORNER OF SAID LAST MENTIONED PARCEL.

ALSO EXCEPT THEREFROM THAT PORTION THEREOF WHICH LIES WITHIN THE SOUTHWESTERLY 10 FEET OF SAID PARCEL 370.

PARCEL B:

A RIGHT OF WAY FOR INGRESS AND EGRESS TO BE USED IN COMMON WITH OTHERS OVER THESE PORTIONS OF PARCELS 362 TO 369 INCLUSIVE, AS SHOWN ON SAID MAP, WHICH LIE NORTHWESTERLY OF A LINE PARALLEL WITH AND 200 FEET SOUTHEASTERLY, MEASURED AT RIGHT ANGLES, FROM THE NORTHWESTERLY LINE OF SAID PARCEL 362.

ALSO RESERVING AND EXCEPTING UNTO THE COUNTY OF LOS ANGELES A RIGHT OF WAY FOR HARBOR UTIILITY PURPOSES IN AND ACROSS THE SOUTHEASTERLY 5 FEET OF SAID PARCELS 370 TO 377 INCLUSIVE.

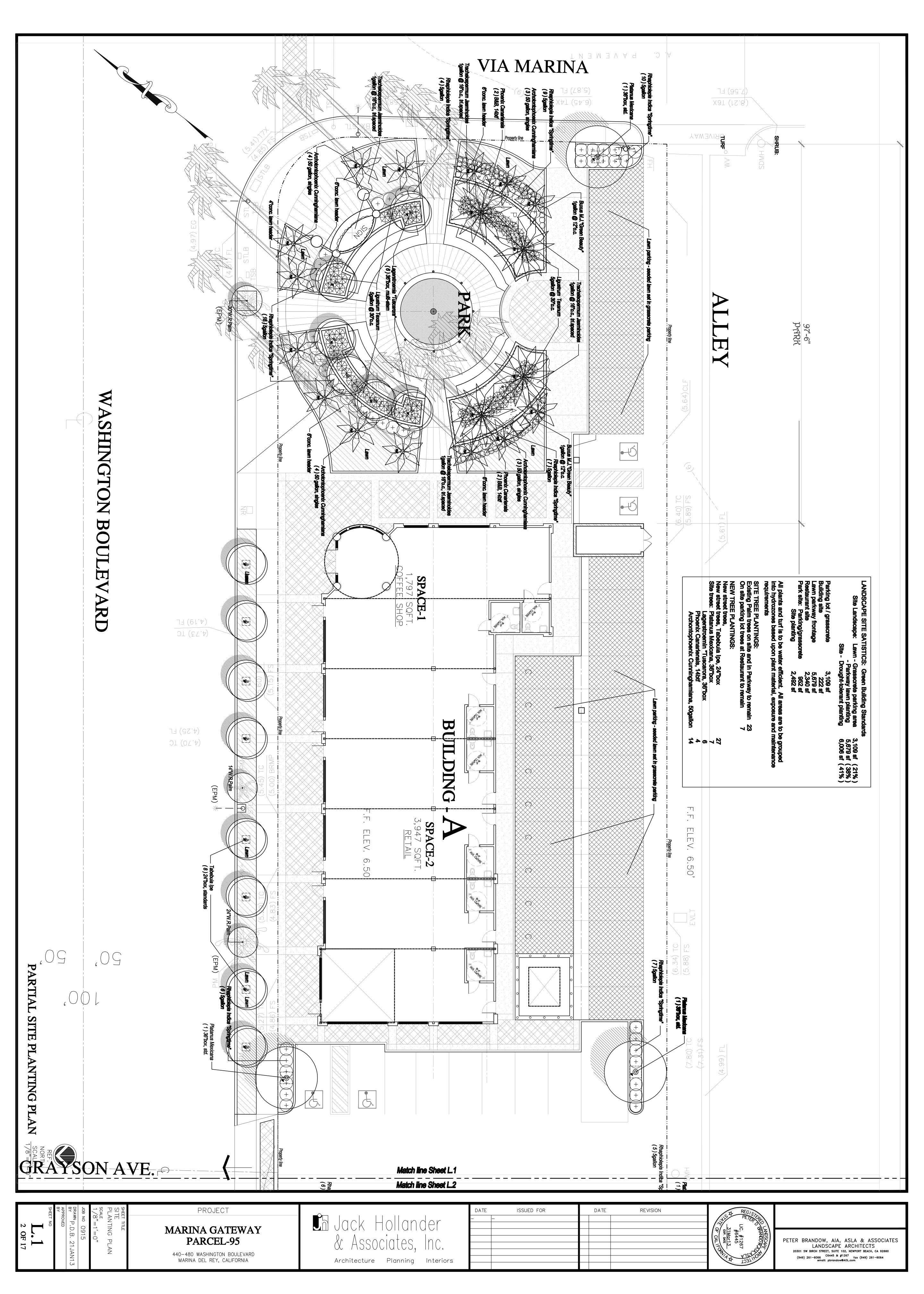
	BY SHEET	DRAWN BY	BOL	NO :	SHEE LAN TITI	PROJECT
L.0	APPROVED BY SHEET NO	D.B. 2	NO 0915	) SCALE	LE SHEET NDSCAPE ET IITLE	MARINA GATEWAY PARCEL-95
		8NOV12				440—480 WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA

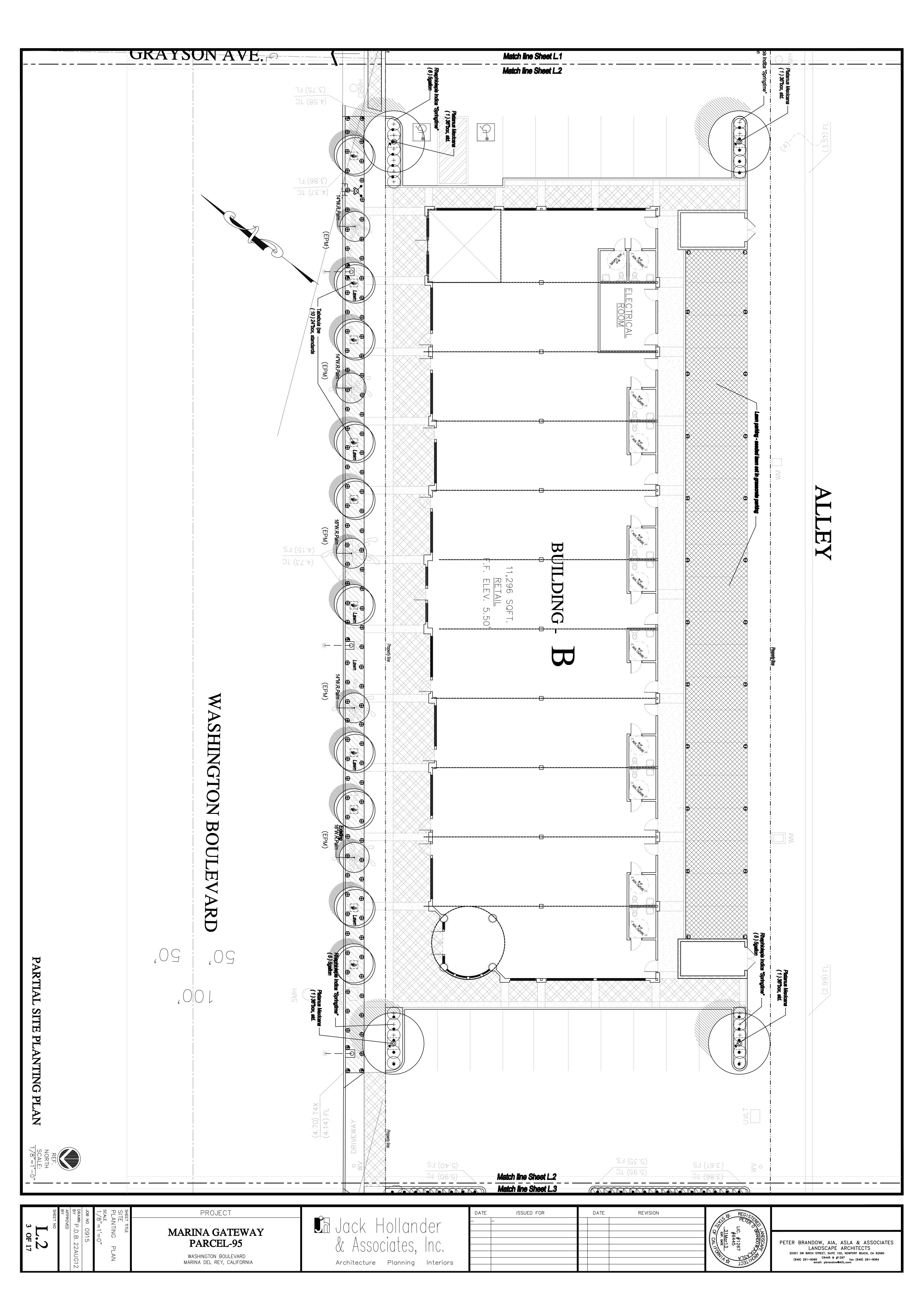
In Jack Hollander & Associates, Inc. Architecture Planning Interiors

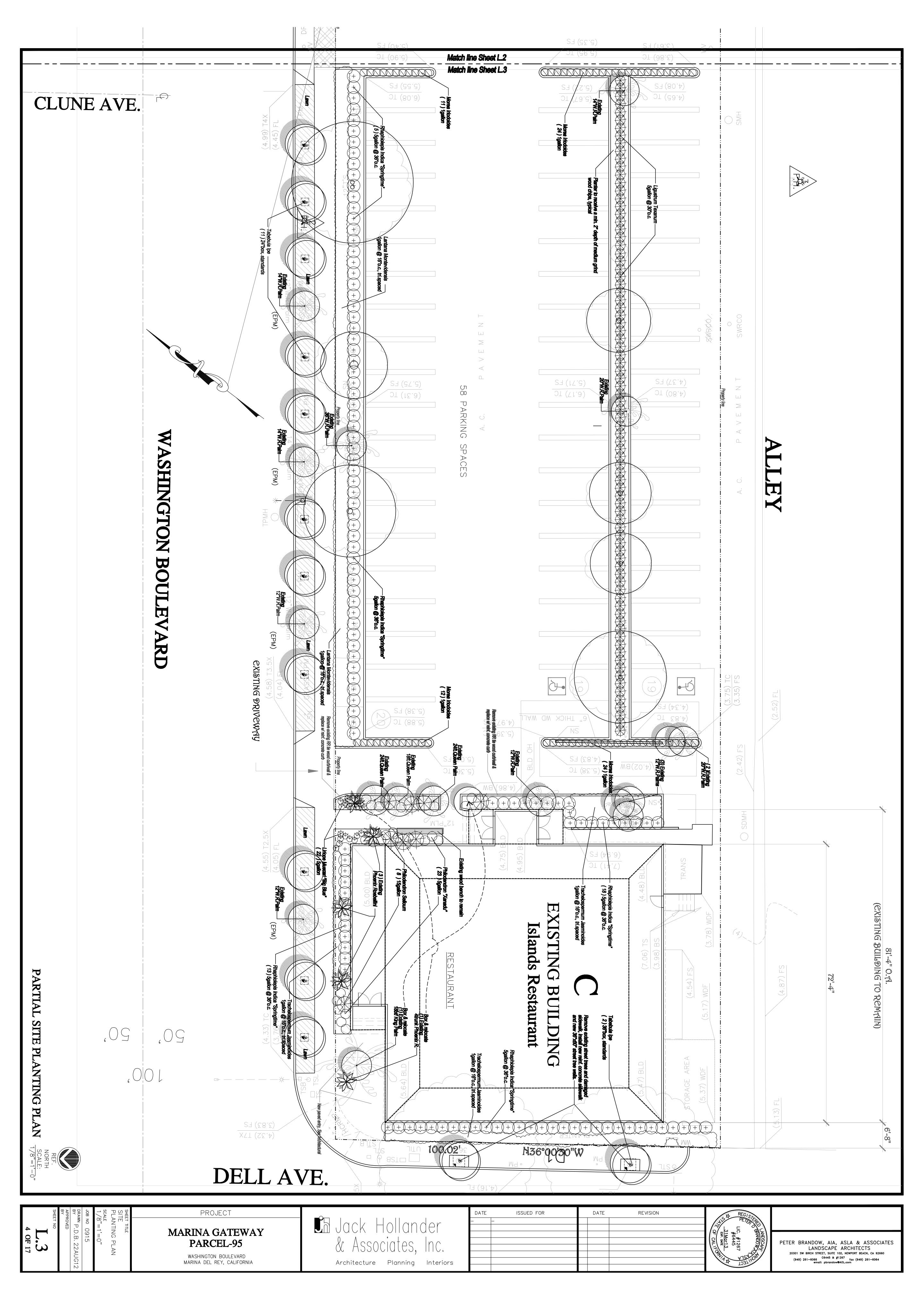
DATE

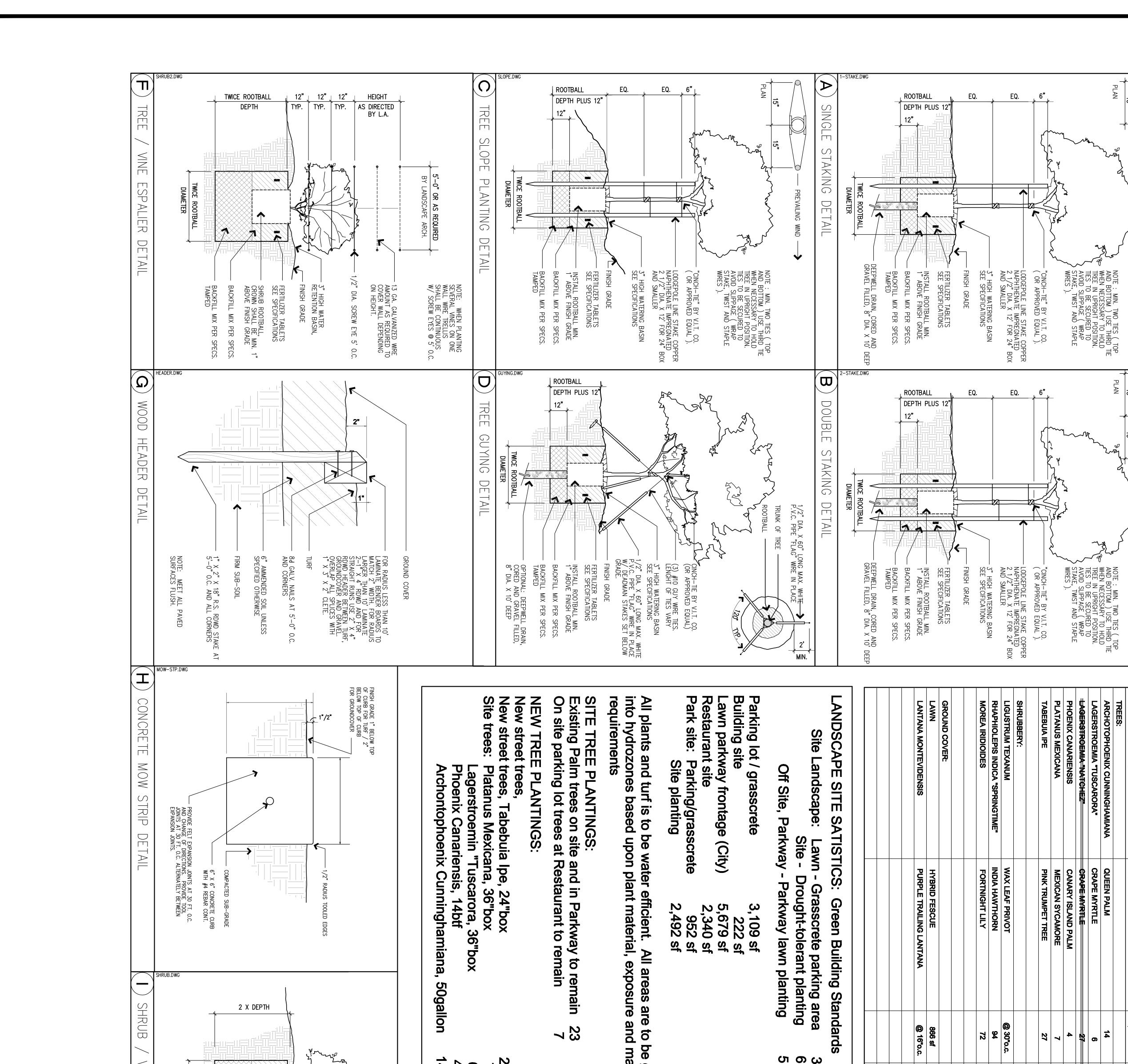
ISSUED FOR REVISION

PETER BRANDOW, AIA, ASLA & ASSOCIATES LANDSCAPE ARCHITECTS 20301 SW BIRCH STREET, SUITE 102, NEWPORT BEACH, CA 92660 (949) 261-6066 C6445 & #1267 fax (949) 261-6064 email: pbrandow@AOL.com









Green Building Standards rasscrete parking area aught-tolerant planting 3,109 sf 2,22 sf 5,679 sf 2,340 sf 952 sf 5,679 sf 2,340 sf 952 sf 2,492 sf 5 ficient. All areas are to be afficient at material, exposure and exposure and exposure and exposure an	Triangular spaced	BO% of ETO	
3,109 sf 222 sf 5,679 sf 2,340 sf 2,492 sf efficient. All areas are to left material, exposure and			
Parkway to remain rant to remain			
24"bo 36"box 36"box 36"box 36"box 36"box			
1/2" RADIUS TOOLED EDGES  1/2" RADIUS TOOLED EDGES  COMPACTED SUB-GRADE 6" X 6" CONGRETE CURBS WITH #4 REBAR CONT. AND CHANGE OF DIRECTIONS. PROVIDE TOOL.  DIAMFTER  DIAMFTER  TWICE ROOTBALL  DIAMFTER	- 3" HIGH WATER RETENTION BASIN, RAKE OUT AS DIRECTED BY LANDSCAPE ARCHITECT - FINISH GRADE - FERTILIZER TABLETS SEE SPECIFICATIONS - SHRUB ROOTBALL, CROWN SHALL BE MIN. 1" ABOVE FINISH GRADE - BACKFILL MIX PER SPECS. TAMPED		

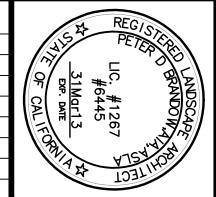
ANDSCAPE **DETAILS**  PLANTING

GROUNDCOVER SPACING

PROJECT **MARINA GATEWAY** PARCEL-95 WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA

In Jack Hollander & Associates, Inc. Architecture Planning Interiors

	DATE	ISSUED FOR	DATE	REVISION	
	_	_			
5					



GENERAL

PLANT LIST

Y PLAN CHECK AND COMMON NAME

# ANDSCAPE PLANTING

1.00 PART 1 - GENERAL

1.01 DESCRIPTION: Division 1 applies to this Section. Provide landscape planting as indicated, specified and required.

Work Included In This Section. include:

Landscape finish grading
Soil preparation
Tree supports and headers
Planting including lawn
Watering
Maintenance and observations

Related work not included in this

Site and rough grading Irrigation

QUALITY ASSURANCE

Qualifications of Installers. Use adequate numbers of skilled workmen who are thoroughly trained and experienced in the specified requirements and the methods needed for proper performance of Work of this Section.

Approvals. Sprinkler work shall be inspected, tested and approved before the start of any Work in this Section. Prior to coverage and backfill of sub—surface drains and drain lines, inspect and be responsible for performance thereof.

Legal Requirements. Give adequate and required legal notices to Owner, utility organizations, and governing authorities prior to commencing.

Certification. Prior to completion, submit written certification to Owner and Architect for following items:

Quantity of commercial fertilizer and orga fertilizer.

Quantity of all specified soil amendments.

Quantity of sod [or seed]. mercial fertilizer and organic

Job Conditions Verification of Existing Conditions. Examine site and determine and verify existing conditions, including subsurface drainage conditions. Written dimensions take precedence over scale dimensions; verify and be responsible for dimensions and conditions. Notify Architect in writing of any variations from dimensions and conditions shown; submit to Architect for signed approval before proceeding with landscape planting.

Coordination. Coordinate operations with other trades, utility firms, street tree department and other affected public departments to assure continuity of access and service in conformance with applicable requirements of these specifications.

Protection. Take precautionary measures for safety of employees and comply with applicable Federal, State and Municipal laws and codes.

GUARANTEES. Guarantee all trees and shrubs as to growth and health for a period of one year after end of 60 day maintenance period.

2.00 PART TWO - PRODUCTS

GENERAL: The following fertilizers, and soil amendments are to be used for bid price basis only. Specific amendments and fertilizer specification will be made after grading operations are complete and samples are tested by Contractor for the owner by an approved agronomy testing facility.

INORGANIC FERTILIZERS.

Iron Sulphate: Ground ferrous sulphate containing not less than 18.5% iron expressed as metallic. Gypsum: Agricultural grade product containing 98% minimum calcium sulphate.
Agricultural Limestone.

FERTILIZER/SOIL CONDITIONER. (As required by soil/agronomy test) GRO—POWER PLUS as manufactured by Gro—Power, Inc. Phone: (909) 393—3744

TOPSOIL. Fertile, friable, natural top loam, free from alkali, noxious weed seed, admixtures of clay, subsoil, rocks larger than 1-1/2" diameter, sticks, debris, detrimental to healthy plant growth, pH reading of not less than 6.5 or more than 7.5.

01 MATERIALS. Specifying materials by name and product designation is for the purpose of facilitating a description of materials and establishing the materials to be used unless noted "no alternatives". Verify amounts of soils where required by plan check and site inspection. Provide adequate amounts of specified soils to attain grades, after compaction as shown and which are required for moundings, as noted.

SOIL AMENDMENTS. Redwood/Fir blend 0-1/2" manufactur by B.D. White Top Soil Co; Inc; 4475 Commmonwealth, Culver City, or approved equal. (310) 838-8111 PLANTING TABLETS: 20% nitrogen 10% phosphoric acid 5% potash Top dress fertilizer: Gro-Power Plus (5-3-1) Planting fertilizer: Gro-Power Plus (5-3-1) Planting tablets: Gro-Power 7 gram tablets (12-Nitrogen stabilized pine or fir shavings. Surfactant: Dry granular "Water-In". distributed by Target Chemical (800) 257-7797.

To be slow release type, containing the following percentages of nutrients by weight:

To be 21 gram tablets as manufactured by Agriform or approved equal applied per manufacturer's instructions.

SIGNAL FLAGS: Provide 1/2" diameter white pvc pipe feet long over each guy wire installed.

TREE PROTECTOR: All trees in lawn areas shall be provided with ARBOR—GARDS available from Orange County Farm Supply, Orange, CA. (714) 978—6500 or approved

TREE TIES. "Wonder Tree Ties" by ALDEN ENTERPRISES, Industry, Ca. (818) 336—3512

TREE GUYS. Minimum of three per tree, wire of No.12 pliable zinc-coated iron wire unless otherwise approved or noted. Where tied to tree, protect trunk with 1/2" rubber hose connector.

1. Anchors (Deadmen) for Guys. Construction grade redwood 2" by 2", 3 feet long, buried 12" minimum below grade.

LAWN HEADERS.

2"x 4" construction grade redwood with 1"x 2"x construction grade redwood stakes, with nails.

Concrete Headers: Provide 6"x 6" concrete header per detail with continuous #4 rebar and 1/2" asphalt felt expansion joints at 30 ft. o.c. and at change of direction. Provide tooled joint at alternate 30 ft. centers.

MULCH.

Provide maximum 1" size Uni-Mulch" as man by Saddleback Soil Service, Inc. Mission Viejo, or "Turf-n-Tee" as supplied by Sequoia Forest Products

"Turf—n—Tee" as Products

"Medium grind compost" as supplied by Blue Ribbon Landscape Supply, Orange, (714) 633—3666. Note: All mulch shall consist of fibrous, woody shredded bark. (No redwood chips or bark acceptable).

O2 PLANT MATERIAL. Healthy, shapely, well rooted, roots free of evidences of having been restricted or deformed at any time. Plants shall be representative of their normal species and variety, have normally developed branch systems, and free from disfiguring knots, sun scale injuries, and abrasions of bark. Plants not meeting these requirements are defective and such plants, whether in place or not, will be marked as rejected and replaced immediately. Plants shall be true to name and tagged, one of each variety. Plant material shall be approved on or before delivery to site. Plant material shall be grown in nurseries inspected by the State Department of Agriculture.

SIZING. Size and condition of the plant material on Planting Plan Number One Grade.

LAWN SOD. Marathon Fescue Sod, free of weeds and other grasses, available from Southland Farms, (800) 532—3489

Staked Trees. Stake all trees not to be guyed at time of planting by driving stake at windward edge of plant ball. Fasten tree as shown on detail.

SUPPORTS

HERBICIDES. Herbicides use shall be limited to those types that are listed and approved by State and regulatory agencies. Application shall be done under the direct supervision or recommendations of an "Agricultural Pest Control Advisor" as licensed by the State Department of Food and Agriculture.

OTHER MATERIALS. Materials not specifically described but required for a complete and proper installation of the Work subject to the approval of the Architect.

Guyed Trees. Guy as indicated on detail immediately after planting using three (3) guys per tree minimum, placed as to give equal support to tree from any direction. Install a warning flag on each guy. Protect bark of tree by connecting wire with 1/2" diameter hose. Anchor guys with "deadman" buried at least two feet below finish grade. Tighten guy lines to a firm tension by use of turn buckles installed on guy wires. Install additional guys should tree growth be such that three guy wires do not give required support in all direction.

Headers: Place headers to form even continuous curve angels or sharp changed in curves are not acceptable.

3.00 THREE - EXECUTION

BACKFILL, FILL, IMPORTED OR ARTIFICIAL SOIL AND GRAVEL. Prior to installation of any imported soil, backfill, gravel fill or sub-base, inspect the integrity of water-proofing, and damp-proofing membranes and for satisfactory correction of any defects which might affect the performance of the above membranes prior to proceeding.

TOPSOIL. Import additional topsoil only as required the bring planting areas up to finish grade — topsoil of quality specified herein. Spread and cultivate topsoil so no settling takes place at any time.

LANDSCAPE FINE GRADING. Receive previously prepared rough grade to within + 1/10 foot of finish grade unless otherwise instructed. Bring soil to grades indicated, anticipating installation of soil conditioners and amendments. Govern grades not specifically indicated as follows:

Areas Except Lawn. Make entire area smooth and even to finish grade. Cultivate all areas so that there are no humps or hollows, so that areas drain as indicated. Grade flow lines, designated or not, and maintain and allow free flow of surface water. Cultivate entire planting area to a depth of 6" minimum and remove all rock in excess of 1 1/2" in diameter, rubble, construction material and waste and any other material that may cause unsatisfactory results. below adjacent paving, curbs, and mow strips for lawn.
 below adjacent paving, curbs, and mow strips for shrubs and ground cover.

Lawn Areas. Cultivate areas to receive lawn to a depth of 6" minimum in two directions and remove all rock and debris in excess of 1" diameter from the site. Grade flow lines, designated or not, and maintain to allow free flow of surface water.

SOIL AMENDMENTS: THE FOLLOWING IS FOR BID BASIS ONLY AND SPECIFIC BACKFILL AND AMENDMENT SPECIFICATIONS WILL BE MADE AFTER ROUGH GRADING OPERATIONS ARE COMPLETE AND SOIL SAMPLES ARE TAKEN BY CONTRACTOR AND TESTED BY AN APPROVED AGRONOMY TESTING FACILITY.

Soil Amendments. Incorporate by mechanical tiller into the top 6" of soil, in two directions, the following:

Nitrogen stabilized pine/fir organic amendment 6 cu. yds. per 1,000 sq. ft.
Gro-Power Plus 5-3-1 - 250 lbs. per 1,000 sq. ft.
25 lbs. Agricultural Gypsum, per 1,000 sq. ft.
Iron sulfate - 5 lbs. per 1,000 sq. ft.
Gro-Life - 20 lbs. per 1,000 sq. ft.
Surfactant: Dry "Water-In" - 10 lbs. per 1,000 sq. ft.

TE: Contractor shall ensure that iron sulfate does not contact walks, walls or other landscape surfaces. All stains on these surfaces, as a result of iron sulfate overthrow, will be the responsibility of the Contractor.

Watering Basins. Construct around plants, except in lawns, watering basins unless otherwise noted. Construct a 3" berm above finish grade with a level bottom around each plant ball. Do not basin plants from flats or plants on slopes greater than 2—feet horizontal to 1—foot vertical.

Plant Material in Lawn. Plant trees areas before final preparation of lassodding or seeding.

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Contact Herbicides. Apply per manufacturer's recommendations to areas, to receive lawn. Prior to application, moisten areas for 14 days to encourage weed germination and growth. Apply contact herbicide before weeds attain 6"height. Remove higher weed growth manually.

Pre—Emergent Herbicides. Apply to planting areas, except lawn, in accordance with manufacturer's recommendations. After application apply 1" to 2"

CIDE APPLICATION

At completion of landscape finish grading and upor the delivery of plant material to site.

Lawn area prior to planting and at time of location of plant material on site.

At completion of all landscape planting prior to the start of the sixty (60) calendar day contract maintenance period.

At end of the first 30 calendar days during the contract maintenance period.

At the completion of the 60 calendar day maintenance period.

General. Continuously maintain landscaping in all areas included in the Contact during progress of the Work, the maintenance period, and until final acceptance. After work indicated or specified has been completed, observed and approved, maintain planted areas buy means of continuous watering, weeding, rolling, cultivation, spraying, mulching, fertilizing and other operations necessary for care and upkeep for a period of 60 calendar days. At end of this period, all plant material shall be in a healthy growing condition.

REVISION

Four parts composted wood chips.
Six parts excavated soil per cubic yard of mix.
32 oz. of GRO-LIFE per cubic yard of mix.
One ounce of iron sulfate per cubic yard of mix.
(Contractor to take precautions to KEEP OFF PAVING- CAUSES STAINING).
17 lbs. of GRO-POWER-PLUS (5-3-1) per cubic yar of mix.
Provide fertilizer planting tablets at the rate specified by manufacturer according to plant siz

Dig planting pit to recommended depth. Backfill hole to attain proper level for the plant. Place recommended tablet(s) between the bottom and around th rootball, but no higher than 1/3 of the way up to rootball. Space the tablets equally around the perimeter approximately 2" from the root tips. Finish backfilling the planting pit, tamping the soil firmly and water thoroughly. (Note: For groundcover, bare root, balled and burlapped — tablets should be placed at same depth and directly next to the root ball.

Water Lawn Areas until acceptance. Apply water by means of sprinkler system. Keep areas moist, but not glistening wet, until an even, close stand of grass has been obtained and lawn is a healthy mature turf. Workmen are not allowed to walk on lawn areas unnecessarily before, during and after sodding operation. If damaged or compacted, cultivate and resod lawn areas at Contractor's expense.

ISSUED FOR

DATE

Fertilizer. Apply Gro—Power Plus at the rate of 25 pounds per 1000 feet uniformly over all planted areas, including lawn. At each 30 calendar day period until plant establishment is complete and accepted by Owner.

FIVE - INSPECTIONS/OBSERVATIONS

General. In all cases where observations notify the ARCHITECT and OWNER at least working days in advance of the time of comparisons are required as follows:

Trees, Shrubs, and Vines. Immediately after planting, thoroughly water each plant by means of a hose with a slow running stream of water. Groundcover. Immediately after planting, thoroughly water each plant, by means of a hose with a slow running stream of water.

PETER BRANDOW, AIA, ASLA & ASSOCIATES LANDSCAPE ARCHITECTS

20301 SW BIRCH STREET, SUITE 102, NEWPORT BEACH, CA 92660

(949) 261-6066 C6445 & #1267 fax (949) 261-6064 email: pbrandow@AOL.com

LANDSCAPE SPECIFICATIONS PROJECT

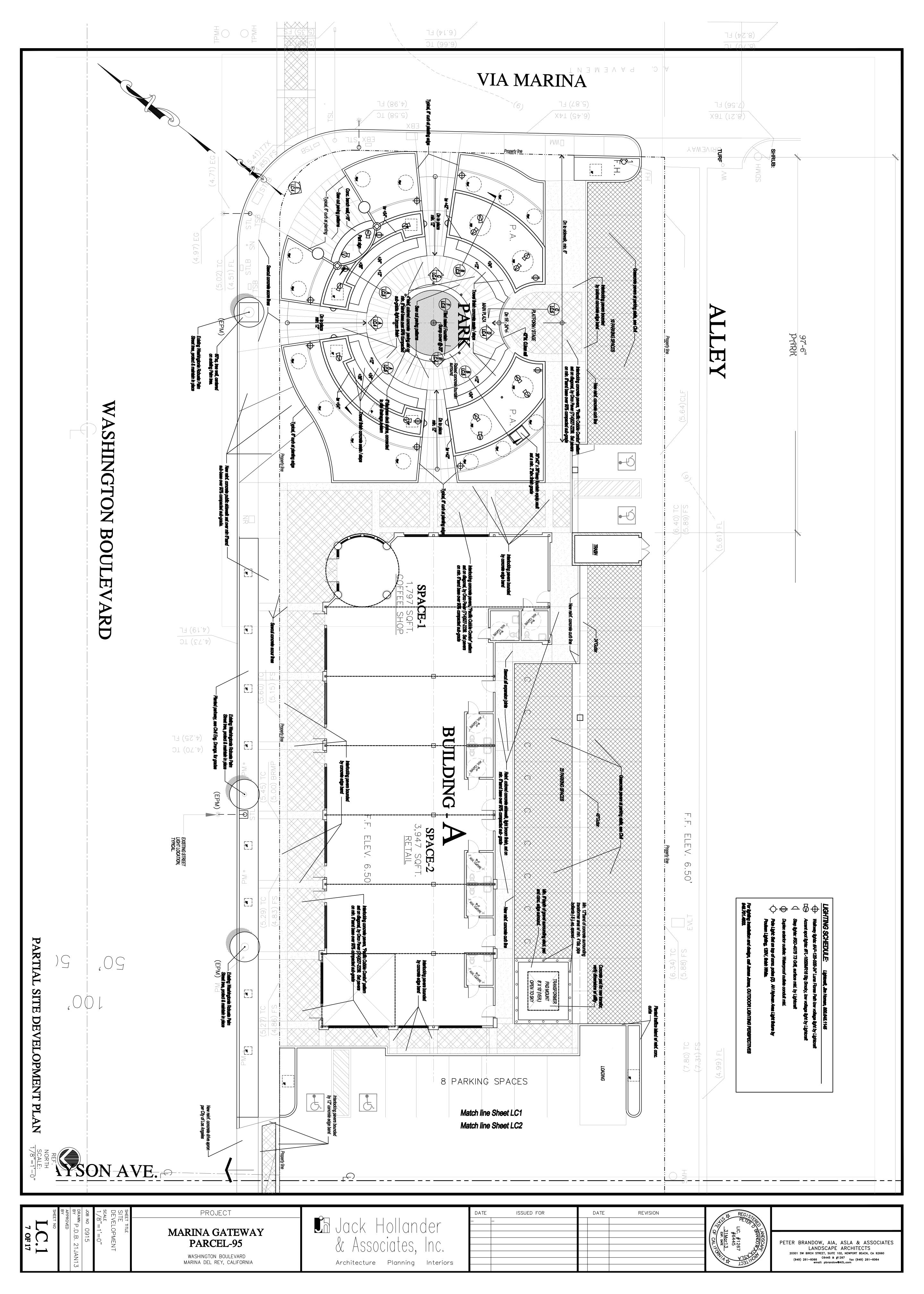
**MARINA GATEWAY** PARCEL-95 WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA

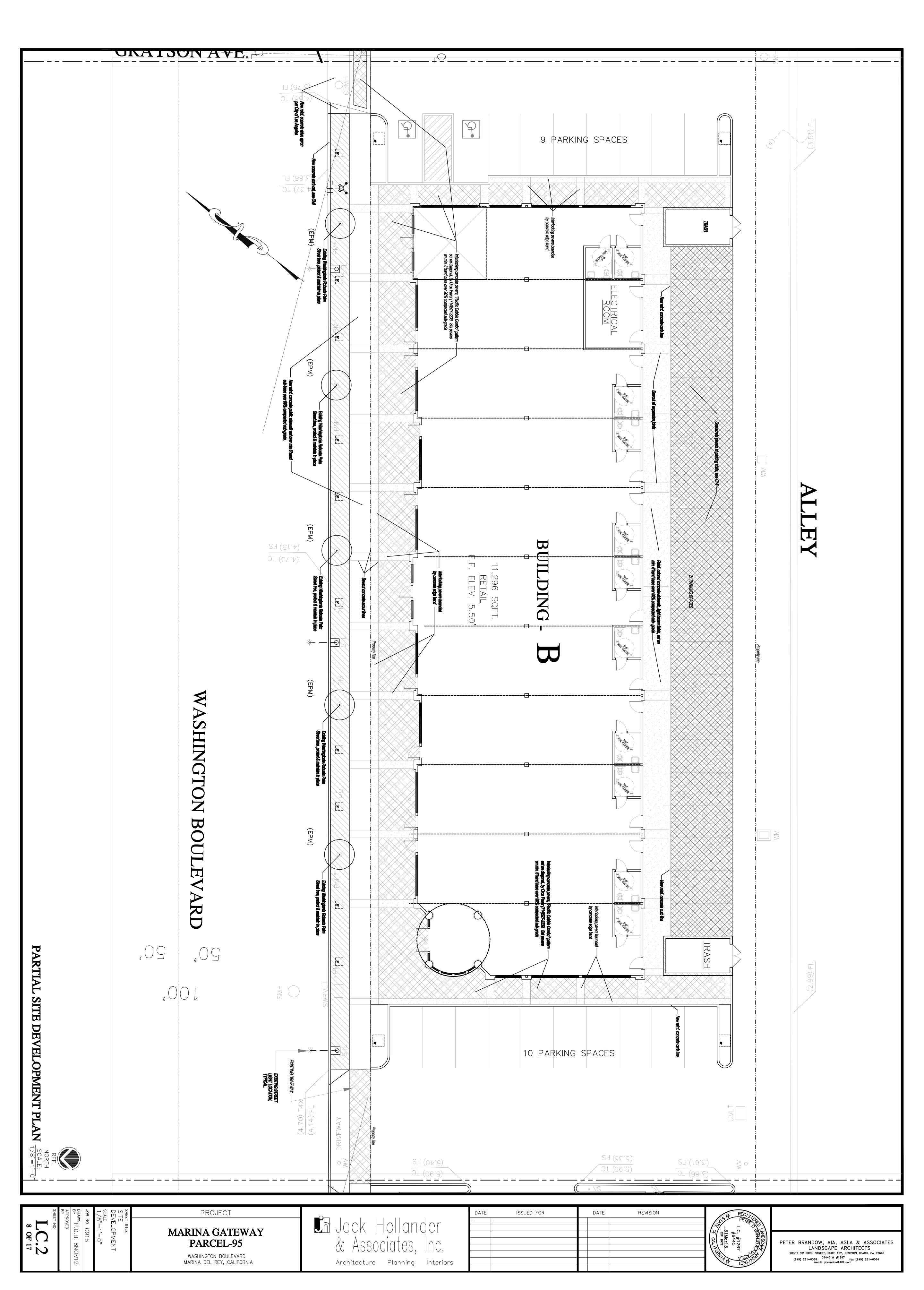
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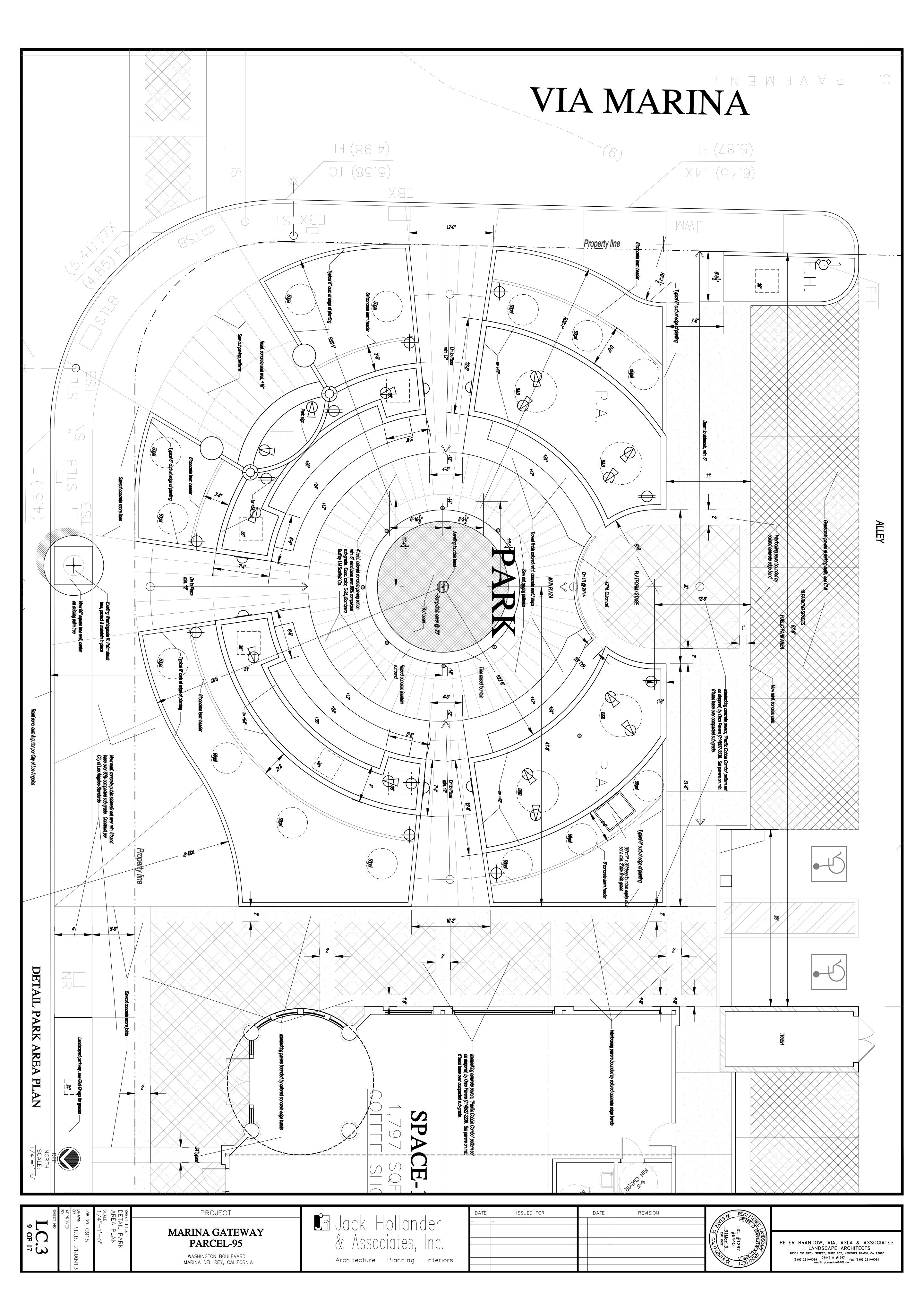
APPLICATION RATES FOR PLANTING TABLETS (7 gram tablets)
Plant Size

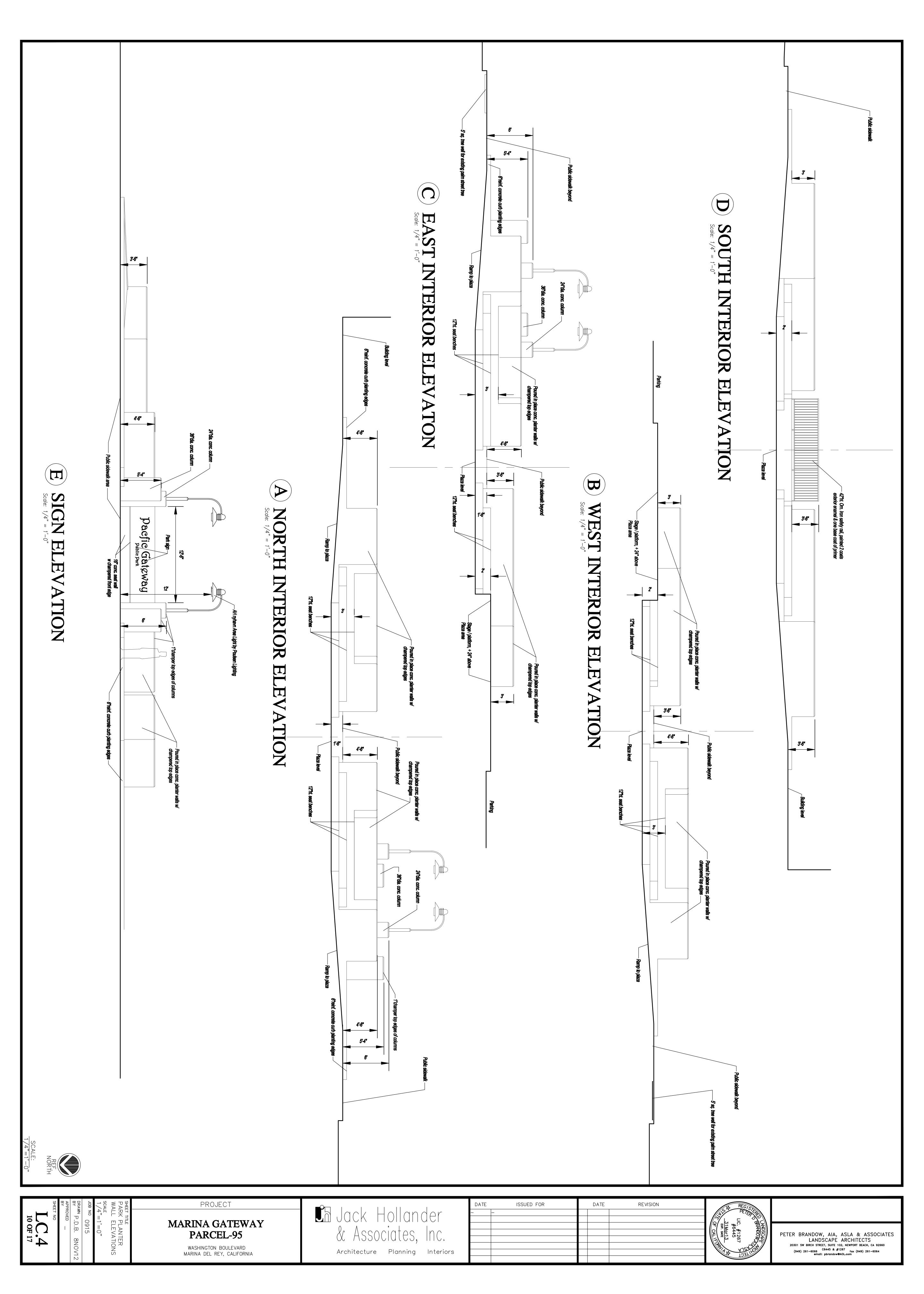
No. of Tablets
1 gal.
2 - 3
5 gal.
15 gal.
12 - 15
24" box
36" box
48" box
60" box
Larger sizes - for ea. 1/2" caliper use,
Ground Cover. Grow plants in flats until time for transplanting. At time of planting, dig pits for plants from flats at least 6"x 6" and firm earth around each plant sufficiently to force out air pockets.

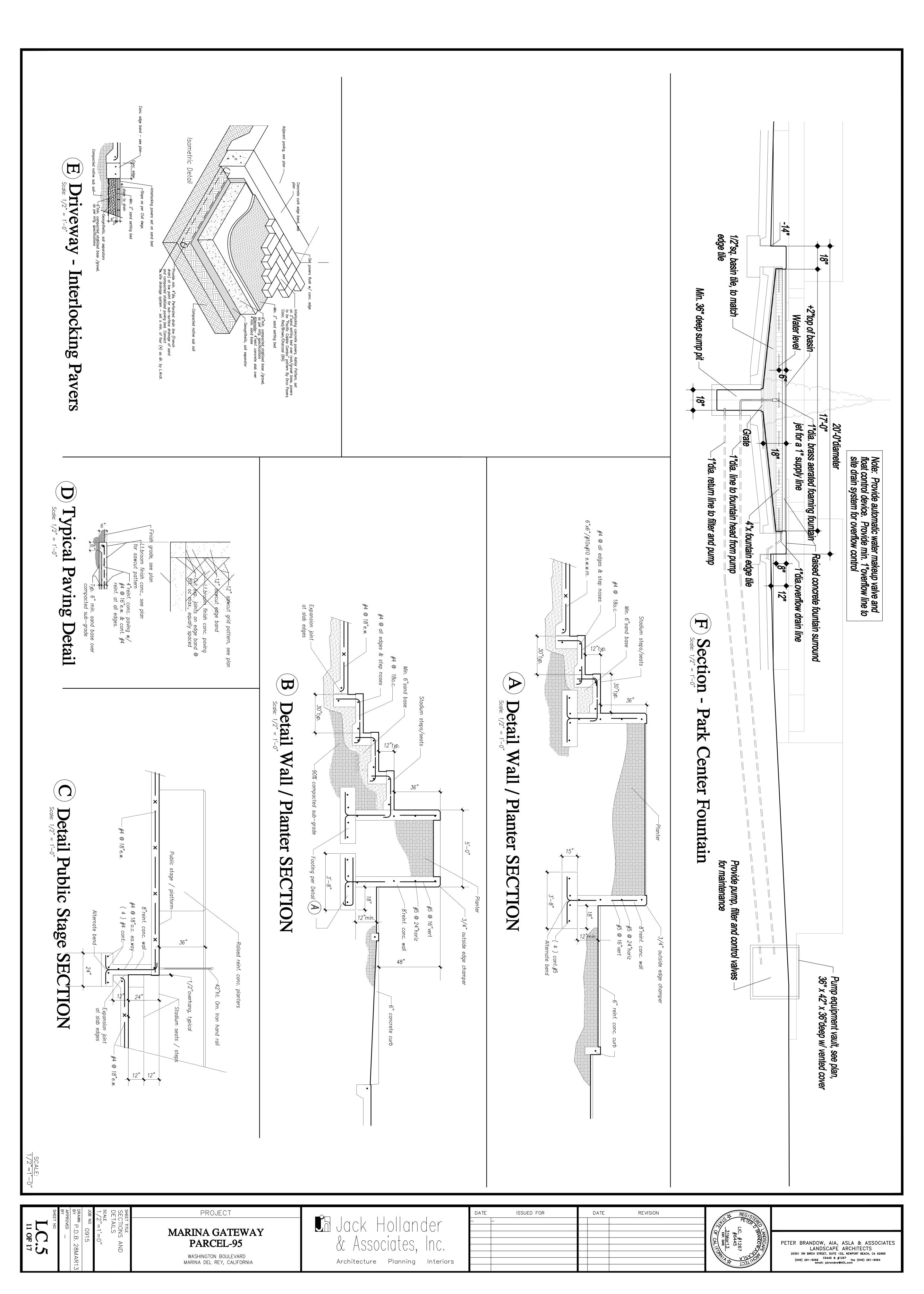
DATE

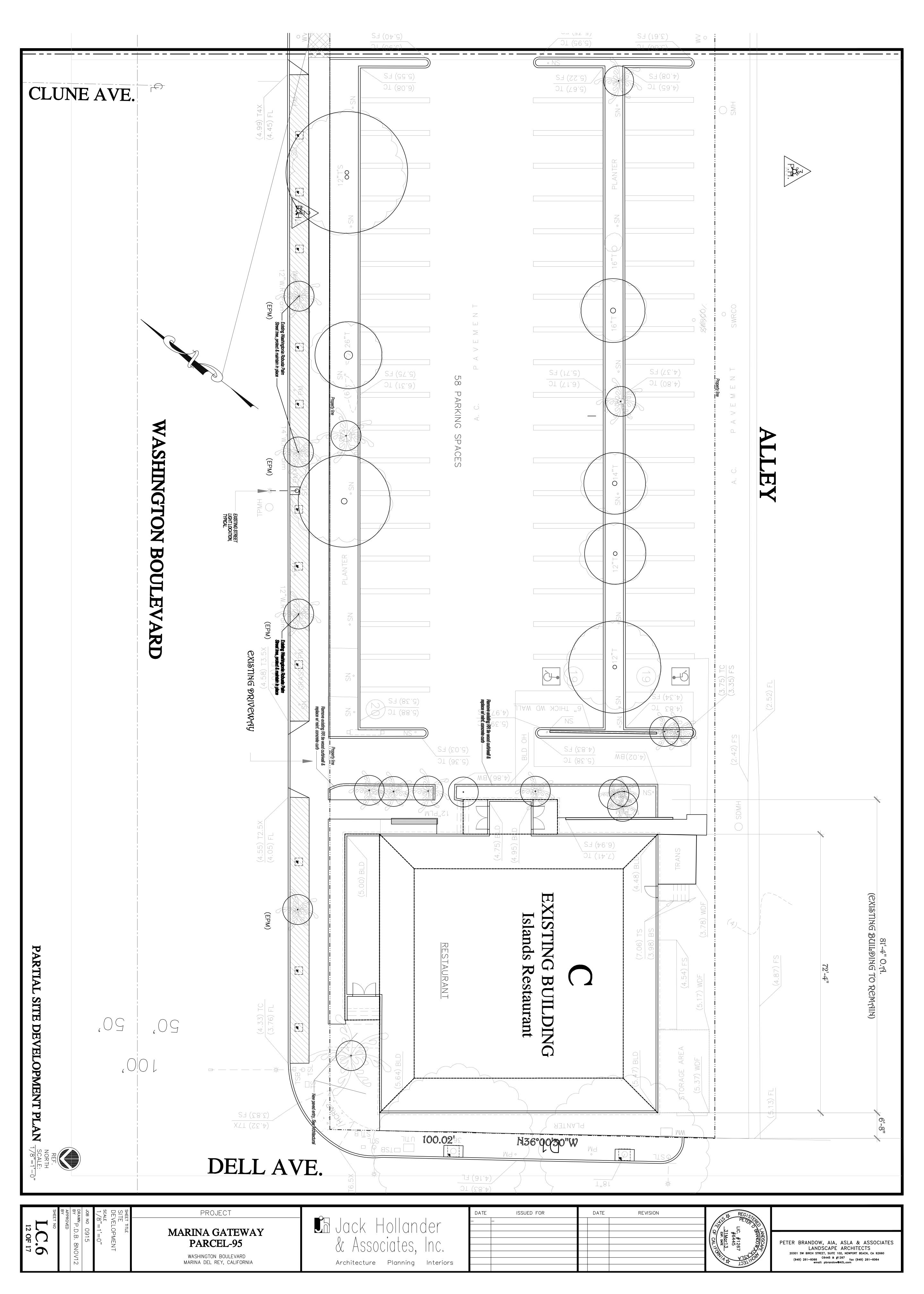


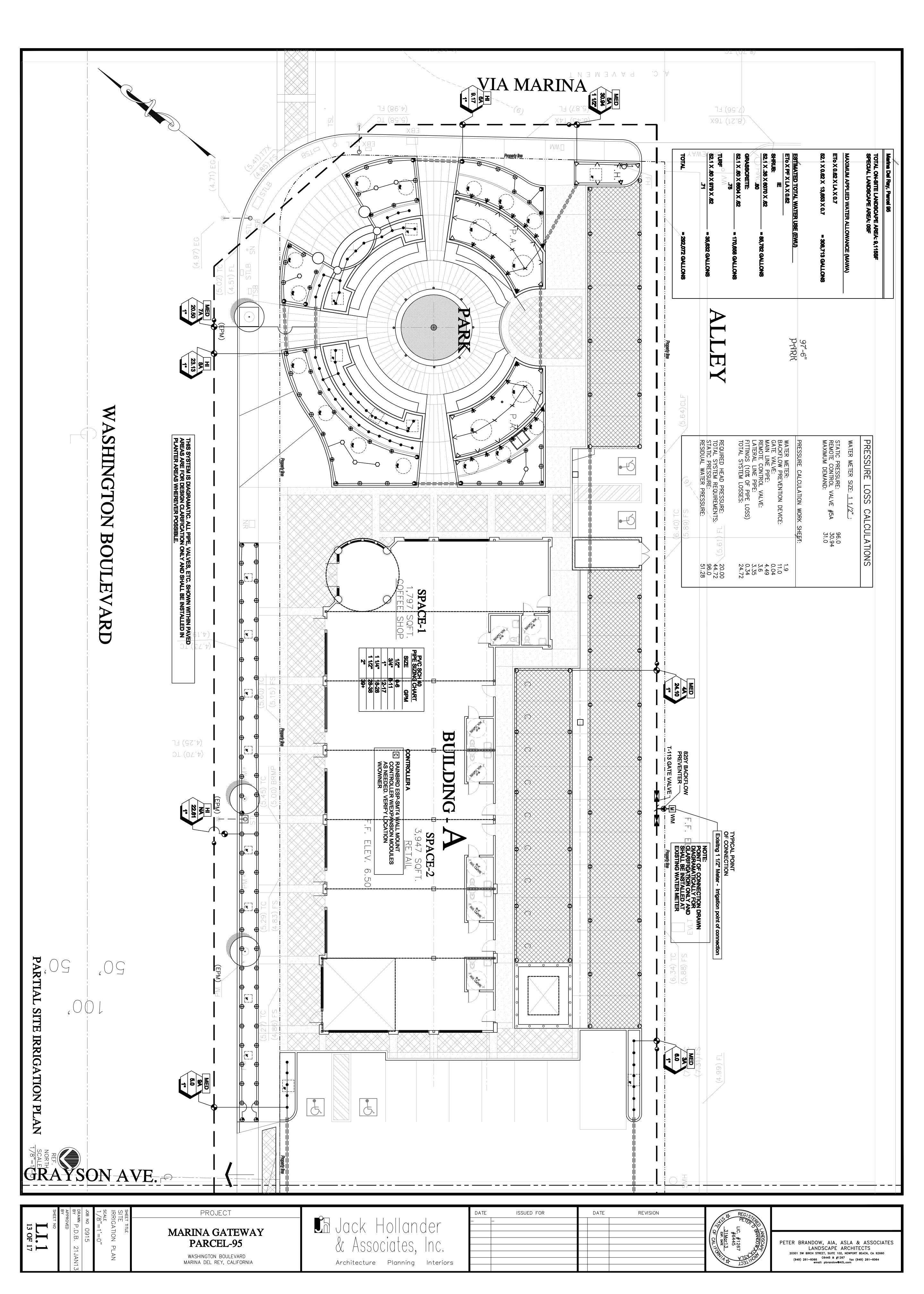


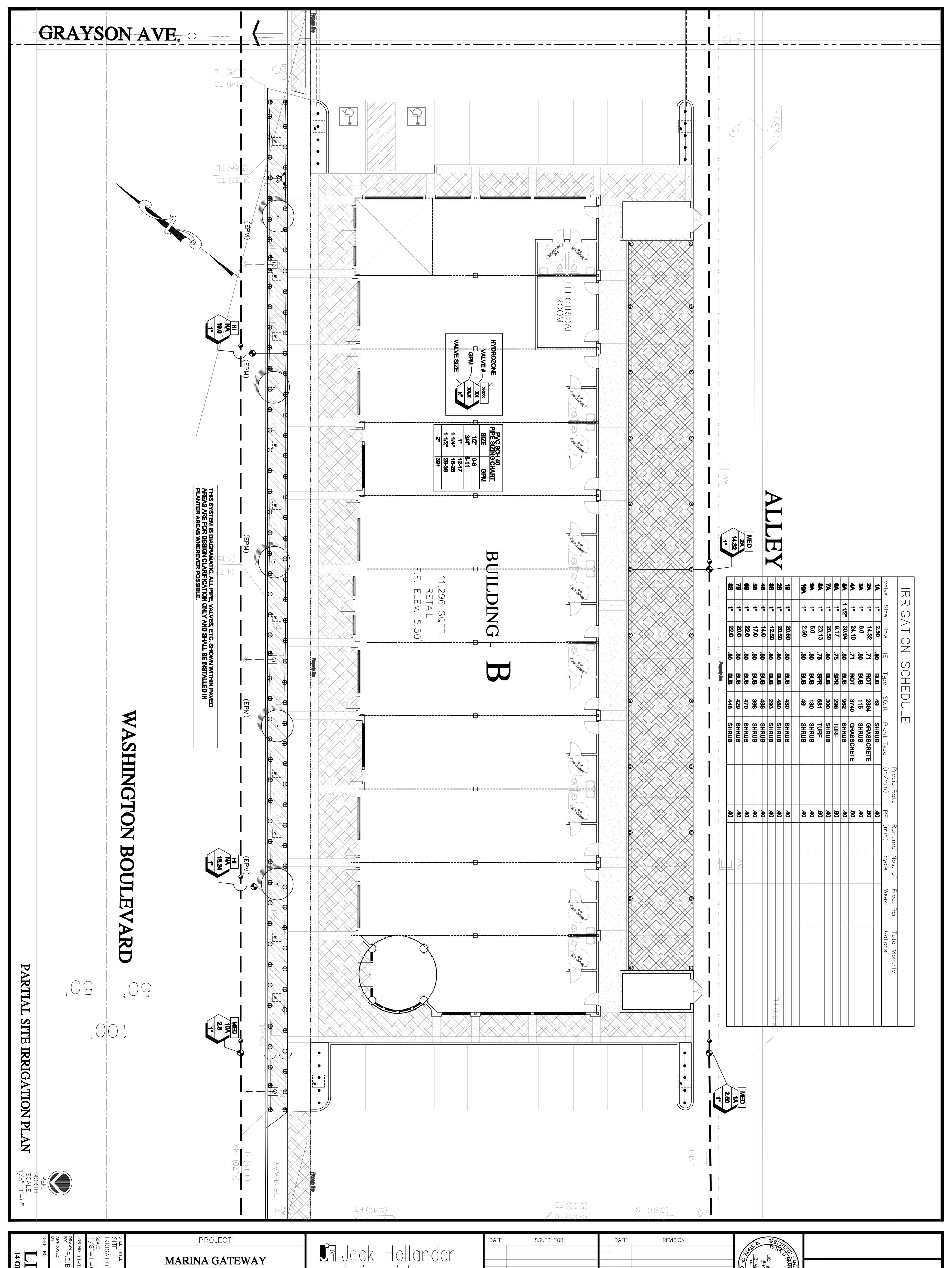












SHEET IN SITE IRRIGATION PERAUN POB NO 0915

DRAWN P.D.B. 2 In Jack Hollander & Associates, Inc. PETER BRANDOW, AIA, ASLA & ASSOCIATES
LANDSCAPE ARCHITECTS

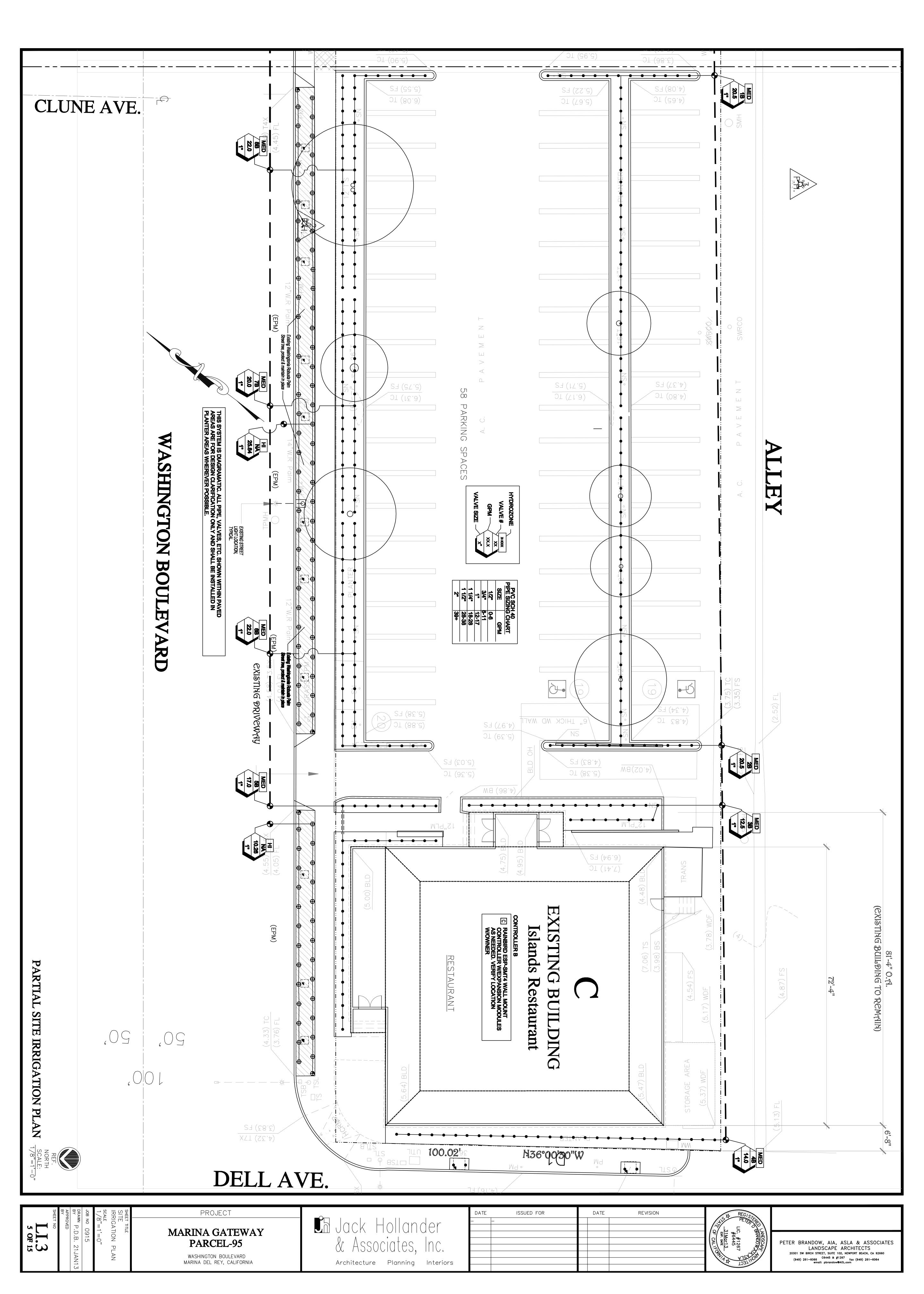
20301 SW BIRCH STREET, SUITE 102, NEWPORT BEACH, CA 92660

(949) 261-6066

(949) 261-6066

(949) 261-6064

email: pbrandow@AOL.com PARCEL-95 WASHINGTON BOULEVARD MARINA DEL REY, CALIFORNIA Architecture Planning Interiors



# NDSCAPE IRRIGATION

1.00 PART 1 GENERAL

1.01

DESCRIPTION: )N: Division irrigation as to t this Section. Pr

- Work Included In This Section. include: Principal items
- laying of pipe
- and risers,
- Trenching, laying of pipe of sprinkler head Valves and controls.
  Testing, adjustment, and restrained shall efficiently of areas, complete in every respectively.
- Related work not included in this
- Ü
- Grading.
  Water service to supply polyclone
  Landscaping.
  Electrical (115 volt only) supply point.

### 1.02 QUALITY ASSURANCE

- Ordinances and Regulations. All local, Municipal and State laws, rules, and regulations governing or relating to any of this portion of the Work are hereb incorporated into and made a part of these Specifications and their provisions shall be carried out under this Section. are hereby
- Permits and Observation. Obtain and pay permits for the installation or construction the Work included under this Section.

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### 1.03 SUBMITTALS

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- Material List. S for approval cover
- œ Record As—Built Drawings requirements in addition ťo Conform to following those in Division 1.
- General. Provide and keep up to date a complete record set of black and White prints which shall be corrected daily and show every change from the original Drawings and Specifications and the locations sizes, and kinds of equipment. Prints for this purpose may be obtained from the Owner at cost. This set of Drawings shall be kept on the site and shall be used only as a record set.

  These Drawings shall also serve as work progress sheets, and the Contractor shall make neat and legible annotations thereon daily as the Work proceeds, showing the Work as actually installed. These Drawings shall be available at all times for observation and shall be kept in a location designated by the Owner.
- Preparation. In order to complete the Record Drawings in a neat legible manner, the Contractor shall employ a competent draftsman, satisfactory to the Architect, to make new Drawings or to indicate in India Ink the necessary changes on tracing reproductions procured from the Owner at
- Information. Record Drawings shall show the location of all buried valves and electrical control wires mainline, quick coupling valves, P.O.C.'s, and gate valves and shall indicated dimensions from two permanent structures of ea identifiable nature (i.e. corner of building, perpendicular dimensions from paved walks, streets, curbs, etc.)
- Delivery. On or before the date of the final observation the Contractor shall deliver the corrected and completed prints to the Architect. Delivery of the prints will not relieve the Contractor of the responsibility of furnishing further required information that may be omitted from the prints.
- Operation and Maintenance Instructions. complete operation and maintenance manuentire system in bound book form.

## CONDITIONS

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Examination of Drawings and site. Before submitting a Bid, each Bidder shall carefully examine the Sprinkler Drawings and Specifications relating thereto; shall visit the site and fully inform himself as to the existing conditions and limitations which apply to the Work, and estimate and include in his Bid a sum sufficient to cover the cost of all items which are required to attain the complete conditions contemplated in the Irrigation Work.

- $\bar{\omega}$ Verification of D approximate. E carefully check any variations t Dimensions. All plot dimensions are Before proceeding with any Work, and verify all dimensions and report to Architect.
- Work Space. Erect such fences or guards as are required for the protection of the public and materials, and maintain same in good repair until the completion. Remove protective devices from site and restore affected portions of site to acceptable condition at completion of Work.

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Damage to Property. Restore to its original condition without charge, any of the Owner's property that is damaged by any of the Contractor's operations.

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## PART PRODU

- .01 MATERIALS. Whenever any material is specified by name a number thereof, such specifications shall be deemed to be used for the purpose of facilitating a description of the materials establishing quality. No substitutions will be permitted. All materials shall be new and the best of their class and kind. All materials of like—type or related function shall be of one manufacturer.
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- $\dot{\mathbb{C}}$ D.
- IPE COMPOUND—NON—FERROUS METAL JOINTS. For all threaded make—up on metal to metal joints shall be pure lead base paste type.
- Τ.
- Type. New (PVC), 1120 materials, p iron pope s Foundation indicated. New normal impact rigid polyvinyl chloride 1120 pipe extruded from 100% virgin als, pipe O.D. sizing conforming to AWWA ope sizing (I.P.S.), National Sanitation ation approved, wall thickness schedule as
- Physical S Industries speci Specifications of the Society of Plastics for this type of pipe are a part of cification.
- Ω Plastic Pipe Fittings. Polyvinyl chlorid (PVC) manufacture, medium wall, and of the IPS solvent welded type. Use heavy wall fitting where one or more outlets are threaded.
- g Plastic Pipe and Fittings. By Lasco Industries, or approved equal, schedule 40.

Guarantee entire sprinkler system, including all Work done under this Contract, against all defects and faults of material and workmanship, and sustain in perfect working order for one year from Date of Completion without expense to Owner. Materials used shall carry a one year manufacturer's guarantee over and above Contractor's guarantee. If, during guarantee period, settlement occurs and adjustments in pipes, valve and sprinkler heads, planting areas or paving are necessary to the proper level of the permanent grades, the Contractor, as part of the Work and under this Contract, shall make all adjustments without extra cost to the Owner. Contractor will not be held responsible under the above guarantee for damage arising from acts of God, vandalism, negligence, or inadequate maintenance by Owner during his maintenance period.

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- VALVES, COCK, specified, or r systems in who walves shall be iron body—bro <, STOPS, ETC. Provide valves as indicated, r required for proper control of piping which they are incorporated. Main shut—off be gate valves. Valves shall be bronze or bronze mounted.</p>
- GATE VALVES. A plastic box and cover and lock lid of adequate size to allow maintenance freedom shall be installed over each main shut—off valves in the system. Set box square with building.

  REMOTE CONTROL VALVES. Install at finished grade a plastic box with lock—lid over each remote control valve. "R.C.V." shall be branded on the cover of each box. Set box square with building.

- PLASTIC PIPE

- Pipe Dating shall be done in conjunction with records to be held by the manufacturer for two years, covering quality control tests, raw material batch number and any other information deemed necessary by the manufacturer.

# CTS (OVERHEAD SPRAY SYSTEMS)

- Yard Boxes.

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- Identification. Furnish pipe continuously and permanently marked with manufacturer's name, nominal pipe size, wall thickness (schedule number) or working pressure, type of material (PVC), NSF per 1B-4 approved, and date of extrusion.

- SPRINKLER HEADS.
- Manual Override. Provide for manual operation prior to electrical connection.
- Solenoid Coils. Operate on 24 volt AC, encapsulated in epoxy resin.

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- Controllers shall provide for automatic sequencing of 24 volt electric stations. The automatic cycle may be manually operated at any time. Individual valve timing may be changed without affecting the remainder of the cycle. When a station is set to be omitted, there shall be no time delay between the operation of the two adjacent stations.
- Cabinets. Equip controller with weather-cabinet and one set of keys.
- ELECTRICAL SUPPLY TO AUTOMATIC CONTROLLERS. 115 v 60 cycle, single phase, one ampere. Include a separate breaker switch and all pertinent materials such as conduit, wire, junction boxes, etc. Submit for approval the types of all such equipment to be used, including size of wire. Conform to National and local governing Electrical Codes.

### CONTROL WIRE.

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- 1. Pilot lines and/or "common" wire connecting remote control valve to automatic controllers shall be single strand copper, U.L. approved type U.F., with minimum 4/64" PVC coating, 600 volt, 75 degrees centigrade. All 24 volt conductors shall have minimum earth cover of 18" or as required by governing Electric Codes. Minimum of 14G.
- SPECIAL REQUIREMENTS FOR METAL PIPING.

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- New metal pipe, scale—free, standare 40 gavanized steel as detailed.

- Bushings or Close Nipples. Not allowed.

# 3.00 PART THREE - EXECUTION

- EXCAVATION AND BACKFILL. Do all necessary excavation for installation of Work of this Section. After Work has been installed, flushed, observed and approved, backfill excavations with fine materials. Compact mainline trenches to 90% compaction, using manual or mechanical tamping devices. Compact trenches for lateral (non-pressure) piping to equal compaction of existing adjacent undisturbed soil and leave in a firm unyielding condition but not to exceed 90% compaction. Finish trenches flush with adjoining grade.
- Flooding of Trenches. approval of Owner. Permitted only with prior
- Mechanical Trench Diggers. trenches with straight sides, tany point than is necessary tanproved by Owner. Approved type to cuttrenches no wider atto lay pipe or as
- Sidewalk Damage. Obtain permission to cut or break sidewalks or concrete from Owner. Hydraulic driving under asphaltic concrete paving is not permitted.

## INSTALLATION

Pipe Lines. Locations and sizes shown of materials and workmanship specified. 윽 n specified and Assemble pipes

Splicing. Use Pentite connector and ser manufacturer's recommendations.

- PIPE COMPOUND FOR PVC. Threaded connections, including PVC to steel make—up, shall be best grade teflon tape.
- PRIMER PVC. For PVC solvent weld connections chemically compatible with the pipe, fittings and primer.
- As noted on Irrigation Plans.
- REMOTE CONTROL VALVES ELECTRIC. Type compating Controller as shown on the Irrigation Plans, "normally type, designed so control valve and solenoid is not energized when valve is in closed position. Valves shall automatically close in event of electrical power failure or due to breakage of pilot lines.

- AUTOMATIC SPRINKLER CONTROLLERS. Of make as noted on Irrigation Plans, constructed to operate normally closed type remote control valves with following functions:

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- Control Wire Connectors. rs. Rainbird
- BACKFLOW PREVENTER. As shown on Drawing

FLUS

HING OF LINES.

- Fittings. Medium pattern, banded, galvanized malleable iron, threaded pipe fittings.
- 3.03 BACKFLOW PREVENTER As required by local or state orceprovide backflow preventer to protect the domestic water supply against back—siphonage from lawn sprinkler system, sizes and type as indicated on the drawings. Install back—flow devices in accordance with Plumbing Code having jurisdiction. No backflow device shall be permitted standing in pedestrian or vehicular traffic.
- 3.04 CONTROL WIRE 24 VOLT INSTALLATION. Provide a separa wire from controller to each valve, or as indicated. Provide a common neutral wire from controller to each valve. Common neutral wire shall be with white insulation and pilot wires shall have black installation. Size wires as noted on Drawings. Where codes allow, no conduit is required for wire and it shall be laid in trenches provided for piping, laid to side of piping.
- Placing. Bottom of finished trench shall be free from stones or other material which might injure conductor insulation. Backfill material placed immediately over conductors shall be select material especially free from stones or other material that might injure insulation. Splices shall be observed by Architect and remote control valves tested for operation to backfill. Cover splicing between controller and valve with a valve box. If possible, avoid splicing of wire between controller and valve. Ÿ 5 Two valve box keys.

free from dirt and pipe scale, reamed and burrs removed. Flush main line supply and test for leaks before backfilling, with control valves in place and before lateral pipes are connected to valves. Flush each section of lateral pipe before sprinkler heads or

3.05 AUTOMATIC CONTROLLER. Install in location shown verifying exact positioning with Architect. Install uniting plumb and in manner recommended by manufacturer.

Metal Pipes. Carefully clean off scale, sand, dirt, etc., before installation. Ream ends of threaded pipe out full size with a long taper reamer, partially bell—mouthed and perfectly smooth. Make offsets with fittings. Do not bend pipe at any time. Flush water lines before heads or control valves are installed.

3.06 SPRINKLER HEAD INSTALLATION. In open areas, install at least 3" above finished grade at time of installation. Heads along sidewalks shall be positioned with head "frame" see in 6" from edge of pavement, header board, curb, etc., and shall set flush to finished grade at time of installation. Within 5 days of notification by Owner, make whatever adjustments of pipe, fittings, valves or sprinkler heads are necessary to bring system to proper level of permanent grade.

Threads. ANSI B2. Cut with sharp clean dies to conform to

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Along Walks and Drives. Set lawn sprinkler heads flush along walks and driveways, where finished grade level is established, at time of installation.

Joints in Screwed Piping. Make by applying an approved oil base pipe joint compound on male threads only, Remove excessive joint compound.

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Shrub Areas. Install sprinkler heads in shrub areas 12" above surrounding grades or as otherwise detailed. Where high shrubs are planted, install longer risers or as directed by Architect.

in the locations shown on the drawings. Discrepancies between drawings and site shall be brought to the attention of the architect prior to trenching. Do not exceed maximum spacings shown on drawings, nor exceed the GPM on the pipe sizes shown. Assemble all pipes free from dirt and scale, ream and deburr. Piping and electrical sleeves under concrete shall be set in place prior to paving work. If pipe must be laid after paving work is completed, it shall be done by jacking, boring or hydraulic driving. If Cutting or breaking of any paving is necessary, it shall be done and replaced with like material at the expense of the Contractor. Obtain approval of Architect prior to any cutting or breaking. Hydraulic driving will not be permitted under asphalt paving. All lines set in place under paving shall extend 18" minimum beyond such paving and be capped handtight.

3.08 INSTRUCTIONS. / operation and mainten

After systems are complete, instruct nance of systems.

PRESSURE TESTS. Perform all hydrostatic tests in presence of the Architect after flushing lines. Maintain 150 pounds on main lines for a minimum of hours with all air expelled from line. All leaks shall be corrected in mechanical manner without use of epo fillers or other filler compounds. Provide all equipment for tests including force pump and pressure

3.07 REDUCED IRRIGATION PLAN. Provide a 40 mil plastic laminated irrigation record drawing reduced to fit inside the controller cover, color coded to indicate valve zones.

Relation of Pipes. Do not install any line parallel to and directly over another line.

3.09 SITE CLEANING. Clean all debris from site, remove all storage rooms and all other constructions and make site ready fro planting work to follow. Work or debris not cleared for landscape work may be backcharged to this irrigation installer.

- Plastic Pipe Installation. Install to conform with standards of pipe manufacturer's specifications, which are a part of this specification.
- D. ASSEMBLY OF PVC PIPE. Handle with care when loading, unloading, transporting and storing to avoid damage. Store pipe and fittings under cover before using. Transport in vehicle with sufficient length to carry pipe flat and fully supported. Store pipe in same manner. Notify Architect when each pipe and fitting shipment reaches the site for his observation. Rejected materials shall be immediately removed from site and replaced with new shipment of different batch number, at no additional cost to the Owner. 3.10 OBSERVATIONS. Observations will be performed by representatives of the Architect at the following times and at random visits when the observer may be on the site. Contractor shall not cover any work prior to observation by the Architect.
- GENERAL. All observations called for by the Contractor shall be requested in writing at least two working days prior to the anticipated observation. All work shall meet the approval of the Architect or be rectified by the Contractor to a condition that does meet his acceptance and at no additional cost to the Owner. If the Contractor calls for observations and is not ready for the observations, he shall be back—charged, hourly, including travel time for all members of the team of observers involved.
- Rework Conference. irrigation work under To be conducted prior to this Contract.
- .2 Observation of flushing.

Mains shall be flushed before attaching remote control valves and with pipe, center loaded. All water being discharged shall be temporarily piped up and out of the trenches. Trenches to be kept dry for pressure tests to follow. Install all valves after approval of flushing procedures by the Architect.

- ۶. Observation of pressure tests.
- Final observation of the completed including coverage test.
- Ġ ITEMS FURNISHED. At time of final acceptance Contractor shall deliver to the Architect.
- One set of keys for automatic controller. Two special wrenches suitable for operating each type of valve installed under this Contract.
- Two tools for disassembly and assembly, or adjustment, of each type equipment used in this installation requiring such special tools.
- Operating instructions and parts lists, as printed by each manufacturer, of each type equipment included in this contract. Refer to "material" part of the specifications and legend on drawings
- Record drawings, and 40 mil plastic laminated record drawings installed in controller(s).

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PRAY HEADS WITH NOZZLES OF THE ELIMINATE SPRAYING WATER ON BUMANCE.

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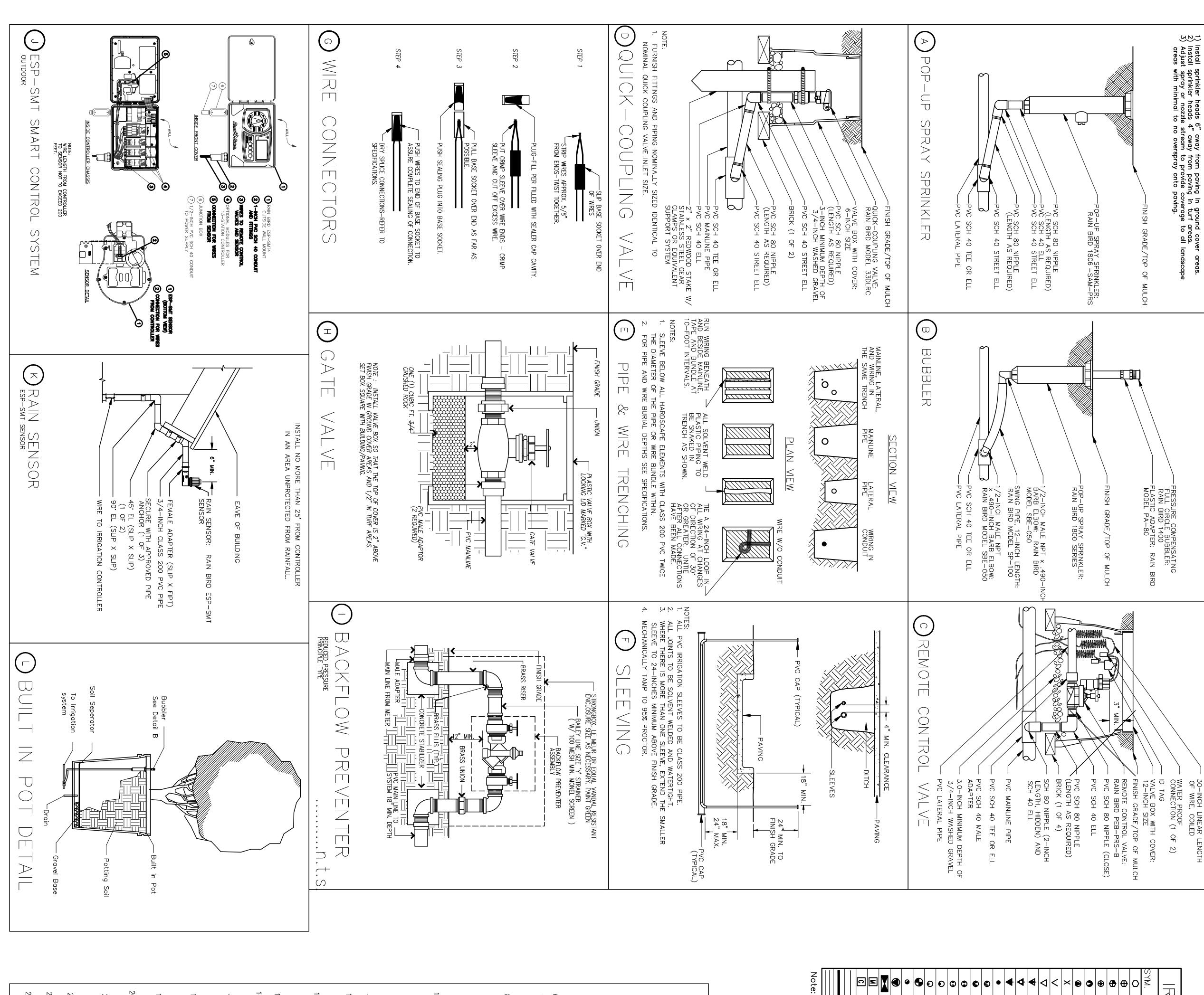
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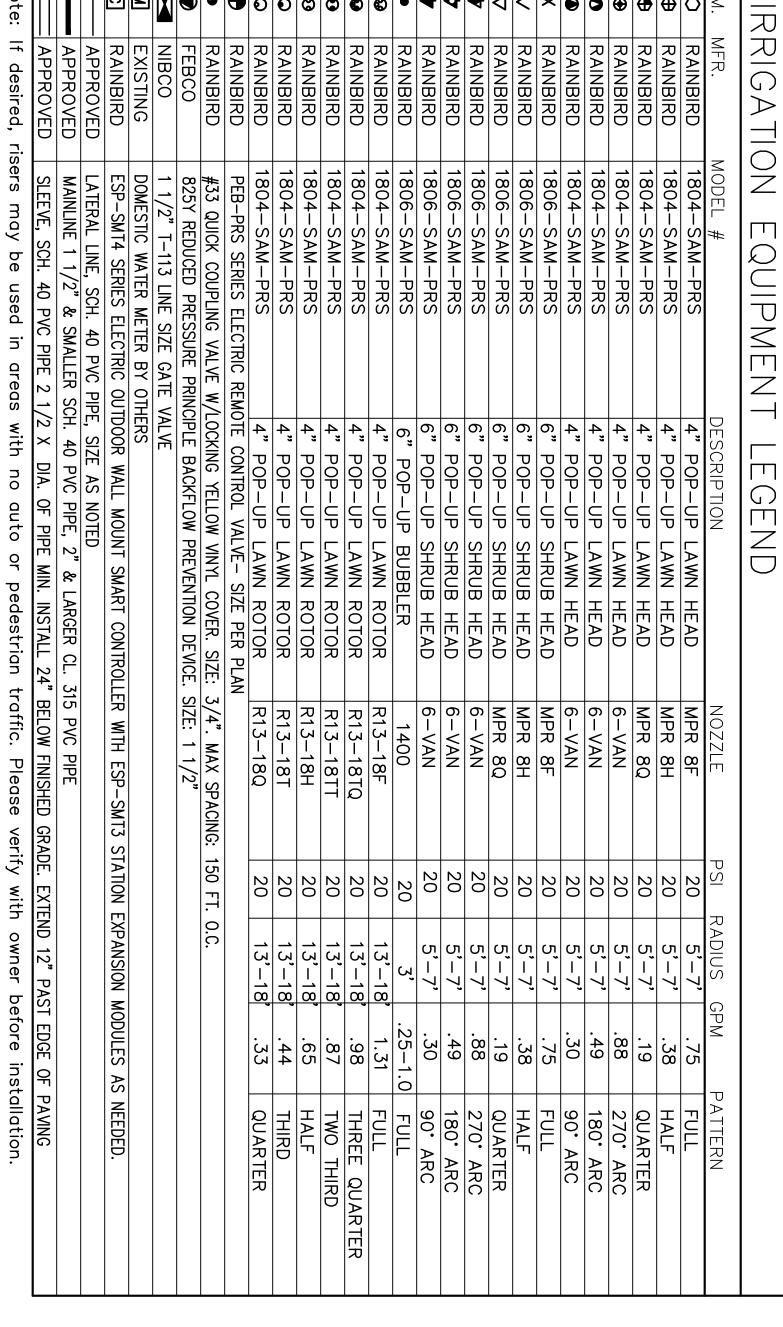
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GENERAL NOTES
ALL MAIN LINE PIPING AND CONTROL WIRES UNDER PAVING SHALL BE INSTALLED IN SEPARATE SLEEVES. MAIN LINE SLEEVE SIZE SHALL BE A MINIMUM OF TWICE (2X) THE DIAMETER OF THE PIPE TO BE SLEEVED. CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES UNDER PAVING.
ALL LATERAL LINE PIPING UNDER PAVING SHALL BE PVC SCHEDULE 40 PIPE AND SHALL BE INSTALLED PRIOR TO PAVING.
PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, 3UT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE 3ITE AT THE TIME OF SAID REJECTION.
FINAL LOCATION OF THE AUTOMATIC CONTROLLER SHALL BE APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE.
120 VAC ELECTRICAL POWER SOURCE AT CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR HALL MAKE THE FINAL CONNECTION FROM THE ELECTRICAL SOURCE TO THE CONTROLLER.
ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE SPECIFIED.
THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE WITH MINIMAL OVERSPRAY ONTO WALKS, STREETS, WALLS, ETC. THIS SHALL INCLUDE REGULATING THE PRESSURE AT EACH VALVE TO DBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
POS
SPONSIBILITY OF THE IRRIGATION CONT TAINING WALLS, STRUCTURES AND UTIL HIS WORK. HE SHALL COORDINATE HIS ES AND LATERALS THROUGH WALLS, I
DO NOT WILLFULLY INSTALL THE SPRINKLER SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN DBSTRUCTIONS, GRADE DIFFERENCES OR DIFFERENCES IN THE AREA DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED N THE ENGINEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHOULD BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED PEPRESENTATIVE. IN THE EVENT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION CONTRATOR SHALL ASSUME FULL RESPONSIBILITY
ALL SPRINKLER EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILED INFORMATION.
ADV (ANTI-DRAIN VALVES) UNITS AS SHOWN IN THE DETAILS ARE FOR TYPICAL INSTALLATION ONLY, AND MAY NOT BE REQUIRED ON ALL HEADS. PRIOR TO INSTALLATION THE CONTRACTOR SHALL VERIFY WITH THE ON-SITE GRADES. IF THERE IS AN ELEVATION DIFFERENCE OF 24" OR MORE BETWEEN THE HIGHEST HEAD AND THE LOWEST HEAD ON A SYSTEM, THE ADV'S SHALL BE INSTALLED PER DETAIL.
THE CONTRACTOR SHALL VERIFY THE STATIC PRESSURE TO BE AS STATED ON THE SYSTEM REQUIREMENTS. SHOULD THE STATIC PRESSURE TO BE AS STATED ON THE SYSTEM REQUIREMENTS. SHOULD THE STATIC PRESSURE REGULATING VALVE (IN A SEPARATE VALVE BOX) DIRECTLY DOWN STREAM OF THE BACKFLOW PREVENTION DEVICE. SET THE REGULATING VALVE AT 10% HIGHER THAN THE STATED SYSTEM REQUIREMENTS. SHOULD THE STATIC PRESSURE BE LESS THAN THE STATED PRESSURE, NOTIFY THE ARCHITECT IMMEDIATELY.
ALL STATED GALLONAGES IN VALVE CALL—OUTS ARE ROUNDED UP TO THE NEAREST GALLON.
THE SYSTEM IS DESIGNED FOR THE MINIMUM OPERATING PRESSURE AS SHOWN AT EACH POINT OF CONNECTION. THE MAXIMUM DEMAND OF GALLONS PER MINUTE IS AS SPECIFIED. THE IRRIGATION CONTRACTOR SHALL VERIFY THE AVAILABLE WATER PRESSURE ON THE OF THE START OF INSTALLATION.
ALL LOW VOLTAGE WIRE FROM CONTROLLER TO VALVES SHALL BE SOLID COPPER UF #14 DIRECT BURIAL TYPE. USE BLACK INSULATED WRE FOR CONTROL AND WHITE FOR COMMON. INSTALL IN A COMMON TRENCH WITH PRESSURE MAINLINE PIPING WHERE POSSIBLE. BUNDLE AND TAPE TO PIPE AT 10 FOOT INTERVALS.
PROVIDE A MINIMUM OF 18" COVER OVER ALL PRESSURE MAINLINE PIPE AND 12" MIN. COVER OVER ALL NON-PRESSURE LATERAL LINE. 3HOWN ON IRRIGATION PLANS AND INSTALLED PER DETAIL.
ALL QUICK COUPLER VALVES ARE TO BE INSTALLED IN SHRUB OR GROUND COVER AREAS WHENEVER POSSIBLE AND WITHIN 18" OF THE HARDSCAPE. ALL QUICK COUPLER VALVES LOCATED IN TURF AREAS SHALL BE INSTALLED IN 8" DIA. GREEN PLASTIC VALVE BOX.
ALL THREADED PIPE CONNECTIONS MADE TO SLIP JOINT PVC PIPE SHALL BE MADE WITH A PVC THREADED COUPLING. ALL

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<u> </u>		MARINA DEL REY, CALIFORNIA	Architecture Planning Interiors			TILEOI TA	C6445 & #1267 fax (949) 261−6064 email: pbrandow <b>©</b> AOL.com